Pantone 426C

2010

POLARIS®

The Way Out.

Scrambler® 4X4

Owner's Manual

for Maintenance and Safety

Read this manual carefully. It contains important safety information.
This is an adult vehicle only.
Operation is prohibited for those under 16 years of age.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

A card containing important ATV safety information should be attached to the owner's manual on the next page. If you cannot locate this card, or if it has been removed, please call 1-800-342-3764 for assistance.

The text is printed on 100% recycled
with 40% post-consumer waste (PCW).

Pantone 426c

⚠WARNING

Improper vehicle use can result in SEVERE INJURY or DEATH.

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR

NEVER USE ON PUBLIC ROADS

NEVER CARRY PASSENGERS

NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- **without proper training or instruction.**
- **at speeds too fast for your skills or the conditions.**
- **on public roads - a collision can occur with another vehicle.**
- **with a passenger - passengers affect balance and steering and increase risk of losing control.**

ALWAYS:

- **use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.**
- **avoid paved surfaces - pavement may seriously affect handling and control.**

READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS.

POLARIS®
The Way Out.

For your nearest Polaris dealer,
call 1-800-POLARIS
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Polaris Sales Inc., 2100 Hwy 55
Medina, MN 55340
Phone 1-888-704-5290
Part No. 9922461 Rev 02
Printed in USA

WELCOME

Thank you for purchasing a Polaris vehicle, and welcome to our worldwide family of Polaris owners. We proudly produce an exciting line of utility and recreational products.

- Snowmobiles
- All-terrain vehicles (ATVs)
- *RANGER*® utility vehicles
- Victory Motorcycles®

We believe Polaris sets a standard of excellence for all utility and recreational vehicles manufactured in the world today. Many years of experience have gone into the engineering, design, and development of your Polaris vehicle, making it the finest machine we've ever produced.

For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Your manual contains instructions for minor maintenance, but information about major repairs is outlined in the Polaris Service Manual and should be performed only by a factory certified Master Service Dealer® (MSD) technician.

Your Polaris dealer knows your vehicle best and is interested in your total satisfaction. Be sure to return to your dealership for all of your service needs during, and after, the warranty period.

We also take great pride in our complete line of apparel, parts and accessories, available through our online store at www.purepolaris.com. Have your accessories and clothing delivered right to your door!

POLARIS®
The Way Out.

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Printed in U.S.A.

2010 Scrambler 4X4 Owner's Manual

P/N 9922461

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INTRODUCTION

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.

⚠

The safety alert symbol indicates a potential personal injury hazard.

WARNING

A WARNING indicates a hazardous situation which, if not avoided, may result in death or serious injury.

CAUTION

A CAUTION indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

A NOTICE indicates a situation that may result in property damage.

The Prohibition Safety Sign indicates an action NOT to take in order to avoid a hazard.

The Mandatory Action Sign indicates an action that NEEDS to be taken to avoid a hazard.

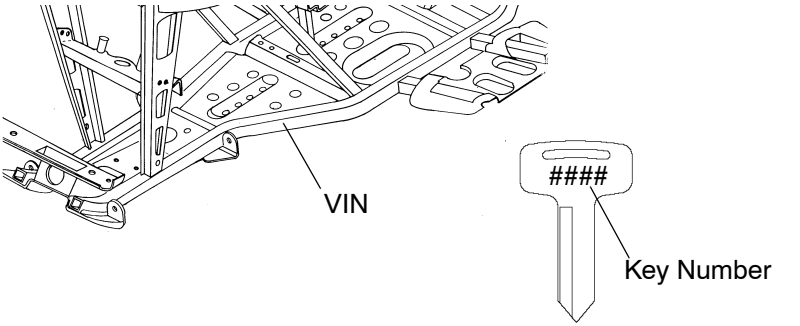
⚠ WARNING

Failure to heed the warnings and safety precautions contained in this manual can result in severe injury or death. A Polaris ATV is not a toy and can be hazardous to operate. This vehicle handles differently than other vehicles, such as motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

- Read this owner's manual. Understand all safety warnings, precautions and operating procedures before operating a Polaris ATV. Keep this manual with the ATV.
- Never operate an ATV without proper instruction. Take a training course.
- This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years of age.
- Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course.

INTRODUCTION
Vehicle Identification Numbers

Record your vehicle's identification numbers and key number in the spaces provided. Remove the spare key and store it in a safe place. An ignition key can be duplicated only by ordering a Polaris key blank (using your key number) and mating it with one of your existing keys. The ignition switch must be replaced if all keys are lost.



Vehicle Model Number: _____

Frame VIN: _____

Engine Serial Number: _____
(right front side of engine crankcase)

Key Number: _____

Safety Training

ATV safety training is a top priority for Polaris. Polaris strongly encourages you and any family members who will be riding the ATV to take a training course.

If you purchased a new Polaris ATV in the United States, your dealer provided instruction to you about the authorized ATV *RiderCourse*sm that is available to you and your eligible family members. This training is included in the purchase price of your ATV. You were also provided with printed materials that explain safe operating procedures. You should review this information on a regular basis.

If you purchased a used Polaris ATV in the United States, you can enroll in the ATV *RiderCourse*sm for a fee. Call ATV Enrollment Express at (800) 887-2887 or visit www.atvsafety.org.

If you purchased a Polaris ATV outside the United States, please contact your dealer or local law enforcement agencies for information about safety training.

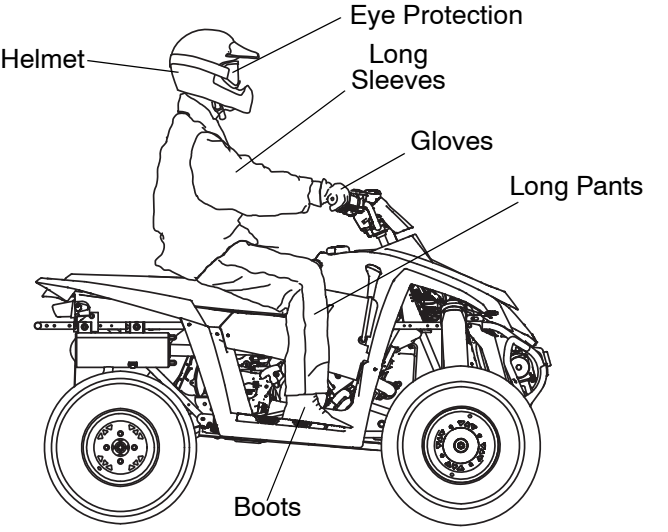
A Polaris ATV is an off-road vehicle. Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area.

We strongly advise you to strictly follow the recommended maintenance program outlined in your owner's manual. This preventive maintenance program is designed to ensure that all critical components on your vehicle are thoroughly inspected at specific intervals.

FOR MORE INFORMATION ABOUT ATV SAFETY in the United States, call the Consumer Product Safety Commission at 1-800-638-2772, or visit www.cpsc.gov, visit www.atvsafety.org, or call Polaris at 1-800-342-3764.

SAFETY
Safe Riding Gear

Always wear appropriate clothing when riding an ATV. Wear protective clothing for comfort and to reduce the chance of injury.

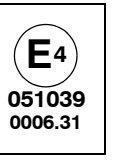


Helmet

Wearing a helmet can prevent a severe head injury. Whenever riding a Polaris vehicle, always wear a helmet that meets or exceeds established safety standards.

Approved helmets in the USA and Canada bear a U.S. Department of Transportation (DOT) label.

Approved helmets in Europe, Asia and Oceania bear the ECE 22.05 label. The ECE mark consists of a circle surrounding the letter E, followed by the distinguishing number of the country which has granted approval. The approval number and serial number will also be displayed on the label.



Safe Riding Gear

Eye Protection

Do not depend on eyeglasses or sunglasses for eye protection. Whenever riding a Polaris vehicle, always wear shatterproof goggles or use a shatterproof helmet face shield. Polaris recommends wearing approved Personal Protective Equipment (PPE) bearing markings such as VESC 8, V-8, Z87.1, or CE. Make sure protective eye wear is kept clean.

Gloves

Off-road style gloves with knuckle pads are the best for comfort and protection.

Boots

The best footwear is a pair of sturdy over-the-calf boots with low heels.

Clothing

Always wear long sleeves and long pants to protect arms and legs. Riding pants with kneepads and a jersey with shoulder pads provide the best protection.

Equipment Modifications

We strongly recommend that consumers do not install on a Polaris ATV any equipment that may increase the speed or power of the vehicle, or make any other modifications to the vehicle for these purposes.

The warranty on your Polaris ATV is terminated if any equipment has been added to the vehicle, or if any modifications have been made to the vehicle, that increase its speed or power.

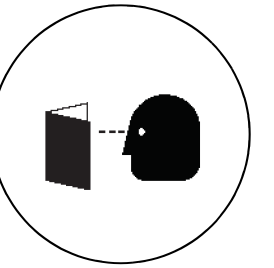
The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the handling characteristics of the vehicle. Use only Polaris-approved accessories, and familiarize yourself with their function and effect on the vehicle.

SAFETY
Safety Warnings

⚠ WARNING

Failure to operate the ATV properly can result in a collision, loss of control, accident or overturn, which may result in serious injury or death. Heed all safety warnings outlined in this section of the owner's manual. See the OPERATION section of the owner's manual for proper operating procedures.

Operating Without Instruction



Operating this ATV without proper instruction increases the risk of an accident. The operator must understand how to operate the ATV properly in different situations and on different types of terrain.

Beginning and inexperienced operators should complete the recommended safety training before operating this vehicle. See page 7.

Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course.

Age Restrictions

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years of age.

Even though a child may be within the recommended age group for operating some ATVs, he/she may not have the skills, abilities, or judgment needed to operate an ATV safely and could be susceptible to accident or injury.

Safety Warnings

Handling Gasoline

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always refuel with the engine stopped, and outdoors or in a well ventilated area.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- Do not overfill the tank. Do not fill the tank neck.
- If gasoline spills on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Turn the fuel valve off whenever the vehicle is stored or parked.

Exposure to Exhaust

Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time. Never start the engine or let it run in an enclosed area.

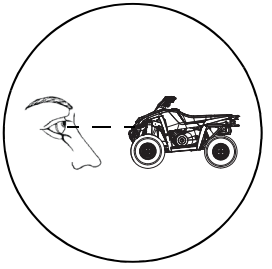
The engine exhaust from this product contains chemicals known to cause cancer, birth defects or other reproductive harm. Operate this vehicle only outdoors or in well-ventilated areas.

Failure to Inspect Before Operating

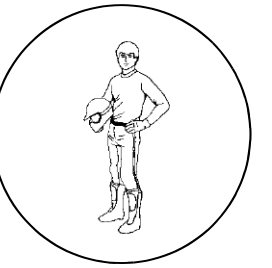
Failure to inspect and verify that the ATV is in safe operating condition before operating increases the risk of an accident.

Always inspect the ATV before each use to make sure it's in safe operating condition.

Always follow all inspection and maintenance procedures and schedules described in the owner's manual.



SAFETY
Safety Warnings
Protective Apparel



Riding in this vehicle without wearing an approved helmet and protective eyewear increases the risk of a serious injuries in the event of an accident.

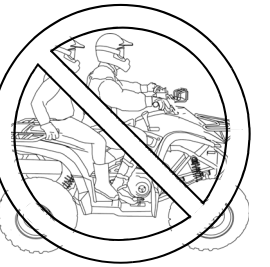
Operator and passenger must always wear an approved helmet that fits properly and eye protection (goggles or face shield).

Using Alcohol or Drugs

Operating the ATV after consuming alcohol or drugs could adversely affect operator judgment, reaction time, balance and perception.

Never consume alcohol or drugs before or while operating an ATV.

Carrying a Passenger



Carrying a passenger greatly reduces the operator's ability to balance and control the ATV, which may result in an accident or overturn.

Never carry a passenger on this ATV.

Safety Warnings

Operating on Pavement

Operating an ATV on paved surfaces (including sidewalks, paths, parking lots and driveways) may adversely affect the handling of the ATV and could result in loss of control and accident or overturn.

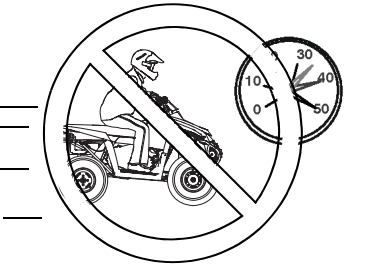
Avoid operating the ATV on pavement. ATV tires are designed for off-road use. If it's unavoidable, travel slowly and avoid sudden turns or stops.

Operating on Public Roads

Operating this ATV on public streets, roads or highways could result in a collision with another vehicle.

Never operate the ATV on any public street, road or highway, including dirt and gravel roads. In many states it's unlawful to operate ATVs on public streets, roads and highways.

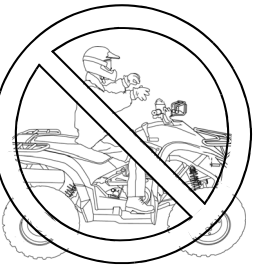
Operating at Excessive Speeds



Operating the ATV at excessive speeds increases the operator's risk of losing control.

Always operate at a speed that's appropriate for the terrain, the visibility and operating conditions, and your experience.

SAFETY
Safety Warnings
Physical Control of the ATV



Removing a hand from the handlebars or feet from the footrests during operation can reduce your ability to control the vehicle or cause loss of balance and ejection from the ATV. If the operator's foot is not firmly planted on the footrest, it could also contact the rear wheels.

Never remove your hands from the handlebars while operating, and always keep both feet on the footrests.

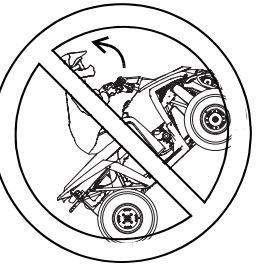
Turning Improperly

Turning improperly could cause loss of traction, loss of control, accident or overturn.

Always follow proper procedures for turning as described in the owner's manual.

Never turn abruptly or at sharp angles. Never turn at high speeds. Practice turning at slow speeds before attempting to turn at faster speeds.

Jumps and Stunts



Attempting wheelies, jumps and other stunts increases the risk of an accident or overturn.

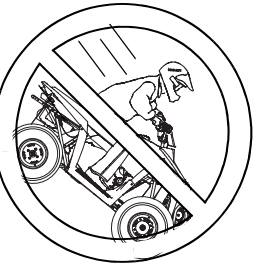
Never attempt wheelies, jumps, or other stunts. Avoid exhibition driving.

Improper Hill Climbing

Improper hill climbing could cause loss of control or overturn. Always follow proper procedures for climbing hills as described in the owner's manual. See page 46.

Safety Warnings

Descending Hills Improperly



Improperly descending a hill could cause loss of control or overturn.

- Always follow proper procedures for traveling down hills as described in the owner's manual. **NOTE:** A special technique is required when braking while traveling downhill. See page 48.
- Always descend a hill with the transmission in forward gear. Do not descend a hill with the transmission in neutral.
- Always check the terrain carefully before descending a hill.
- Shift your weight rearward.
- Never travel down a hill at high speed.
- Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.

Crossing Hillsides

Driving on a sidehill is not recommended. Improper procedure could cause loss of control or overturn. Avoid crossing the side of any hill unless absolutely necessary.

If crossing a hillside is unavoidable, always follow proper procedures as described in the owner's manual. See page 47.

Never attempt to turn the ATV around on any hill until you've mastered the turning technique (on level ground) as described in the owner's manual. See page 49.

SAFETY
Safety Warnings
Stalling While Climbing a Hill

Stalling, rolling backwards or improperly dismounting while climbing a hill could cause an overturn.

- Always maintain a steady speed when climbing a hill.

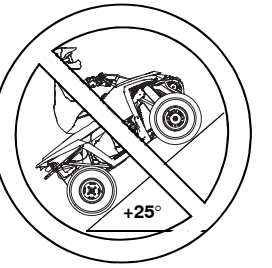
If all forward speed is lost:

- Keep body weight uphill.
- Apply the single-lever brake gradually.
- Lock the parking brake when fully stopped.
- Dismount on uphill side, or to either side if ATV is pointed straight uphill.
- Turn the ATV around and remount, following the procedure described in the owner's manual. See page 49.

If the ATV begins rolling downhill:

- Keep body weight uphill.
- Never apply engine power.
- Never apply the auxiliary rear brake while rolling backwards. Apply the single-lever brake gradually.
- When fully stopped, apply the rear brake as well, and then lock the parking brake.
- Dismount on uphill side, or to either side if ATV is pointed straight uphill.
- Turn the ATV around and remount, following the procedure described in the owner's manual. See page 49.

Operating on Steep Hills



Operating on excessively steep hills could cause an overturn.

Never operate on hills too steep for the ATV or for your abilities. Never operate the ATV on hills steeper than 25 degrees.

Safety Warnings

Operating on Slippery Terrain

Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or overturn.

Do not operate on excessively rough, slippery or loose terrain. Always use extra caution on rough, slippery or loose terrain.

Operating in Unfamiliar Terrain

Failure to use extra caution when operating on unfamiliar terrain could result in an accident or overturn.

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or overturn.

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

SAFETY
Safety Warnings
Operating Improperly in Reverse

Improperly operating in reverse could result in a collision with an obstacle or person. Always follow proper operating procedures as outlined in this manual. See page 52.

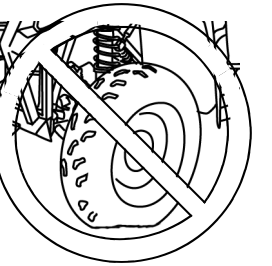
Before shifting into reverse gear, always check for obstacles or people behind the ATV. When it's safe to proceed, back slowly.

Improper Tire Maintenance

Operating this ATV with improper tires or with improper or uneven tire pressure could cause loss of control or accident.

Always use the size and type of tires specified for your ATV.

Always maintain proper tire pressure as described in the owner's manual and on safety labels.



Safety Warnings

Operating Over Obstacles

Improperly operating over obstacles could cause loss of control or overturn.

Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as rocks and fallen trees. If unavoidable, use extreme caution and always follow proper operating procedures as outlined in this manual. See page 51.

Skidding or Sliding

Skidding or sliding can cause loss of control or overturn (if tires regain traction unexpectedly).

On slippery surfaces such as ice or loose gravel, travel slowly and use extra caution to reduce the chance of skidding or sliding. Do not operate on excessively slippery surfaces.

Operating Through Deep Water

Operating the ATV through deep or fast-flowing water could cause the tires to float, causing loss of control or overturn.

Avoid operating the ATV through deep or fast-flowing water. If it's unavoidable to enter water that exceeds the recommended maximum depth (see page 50):

- Travel slowly.
- Balance your weight carefully.
- Avoid sudden movements.
- Maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes.
- Wet brakes may have reduced stopping ability. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.

SAFETY
Safety Warnings
Improper Cargo Loading

Overloading the ATV or carrying/towing cargo improperly may cause changes in handling, which could cause loss of control or an accident.

- Never exceed the stated load capacity for this ATV.
- Cargo should be properly distributed and securely attached.
- Reduce speed when carrying cargo or pulling a trailer. Allow a greater distance for braking.
- Always follow the instructions in the owner's manual for carrying cargo or pulling a trailer.

Operating on Frozen Bodies of Water

Operating on frozen bodies of water may result in serious injury or death if the ATV and/or the operator fall through the ice.

Never operate the ATV on a frozen body of water.

Poor Visibility

Operating the ATV in darkness or inclement weather could result in a collision or accident, especially if operating on a road or street. This ATV is not equipped with highway-approved lights. Operate this vehicle off-road only. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.

Safety Warnings

Operating a Damaged ATV

Operating a damaged ATV can result in an accident. After any overturn or accident, have a qualified service dealer inspect the entire machine for possible damage, including (but not limited to) brakes, throttle and steering systems.

Physical Skills

Safe operation of this rider-active vehicle requires good judgement and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of overturn and loss of control.

Hot Exhaust Systems

Exhaust system components are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system. Use caution when traveling through tall grass, especially dry grass.

Unauthorized Use of the ATV

Leaving the keys in the ignition can lead to unauthorized use of the vehicle, which could result in an accident or overturn. Always remove the ignition key when the vehicle is not in use.

SAFETY
Safety Labels and Locations

Warning labels have been placed on the vehicle for your protection. Read and follow the instructions on each label carefully. If any of the labels shown in this manual differ from the labels on your vehicle, always read and follow the instructions of the labels on the vehicle.

If an informational or graphic label becomes illegible or comes off, contact your Polaris dealer to purchase a replacement. Replacement *safety* labels are provided by Polaris at no charge. The part number is printed on the label.

General Warning

WARNING

Improper ATV use can result in SEVERE INJURY or DEATH

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR

NEVER USE ON PUBLIC ROADS

NEVER CARRY PASSENGERS

NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

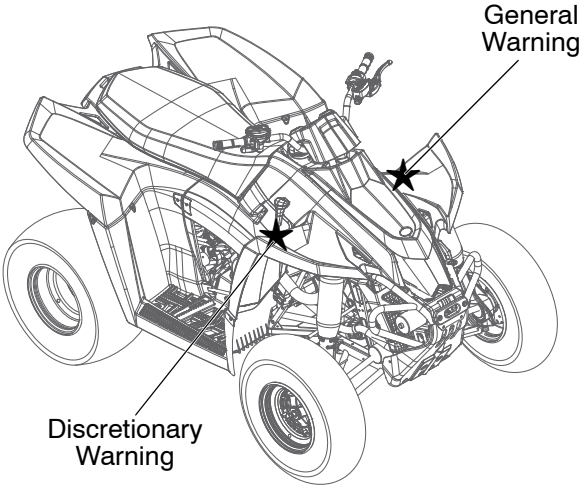
- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL.

FOLLOW ALL INSTRUCTIONS AND WARNINGS.

7175376

Safety Labels and Locations



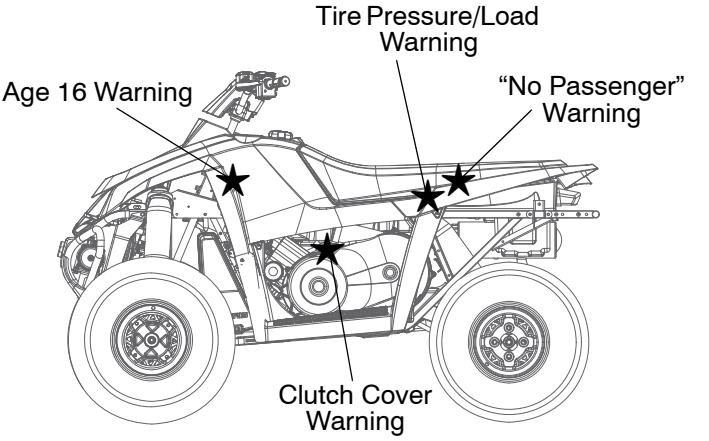
Discretionary Warning

WARNING

- Never operate this ATV on HILLS steeper than 25 degrees ∠ 25°. To prevent overturn on hilly terrain, use throttle and brakes gradually, and shift weight uphill.
- REVERSE operation can be dangerous even at low speeds. Steering becomes difficult. To prevent loss of control, avoid sudden braking or sharp turns.

7175511

SAFETY
Safety Labels and Locations



"No Passenger" Warning

WARNING

NEVER ride as a passenger.

Passengers can cause a loss of control, resulting in SEVERE INJURY or DEATH.

7175378

Tire Pressure/Load Warning

WARNING

Improper tire pressure or overloading can cause loss of control.

Loss of control can result in severe injury or death.

- Cold tire pressure:
  Front: 4.0 psi (27.6 kPa)
  Rear: 3.0 psi (20.7 kPa)
- Maximum weight capacity: 275 lbs. (125 kg)

7175443

Safety Labels and Locations

Age 16 Warning

WARNING

Operating this ATV if you are under the age of 16 increases your chance of severe injury or death.

NEVER operate this ATV if you are under age 16.

7175374

Clutch Cover Warning

WARNING

- Moving parts hazard under belt-clutch guard. To prevent serious injury, do not operate vehicle with guard removed.
- Do not modify engine or clutch. Doing so can cause part failure, possible imbalance, and excessive engine RPM, which can result in serious injury or death.

NO STEP

7172563

Reverse Override Warning

WARNING

Improper use of override button can lead to loss of control resulting in severe injury or death. Do not activate override while throttle is engaged. Always apply throttle gradually, while in reverse.

7175486

4X4 Caution

CAUTION

Do not push switch to engage 4X4 (AWD) if the rear wheels are spinning. This may cause severe drive shaft and clutch damage.

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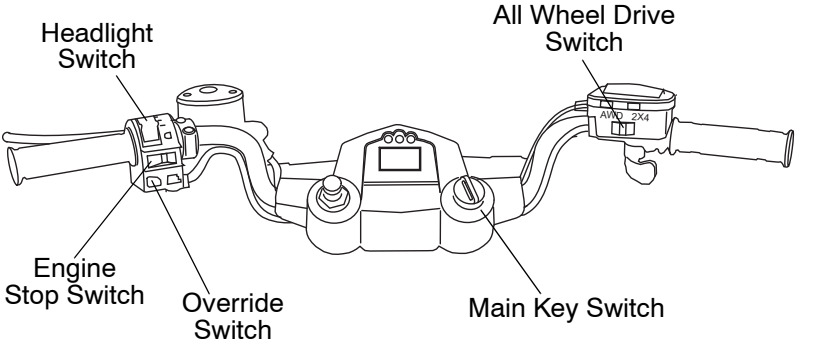
FEATURES AND CONTROLS
Switches



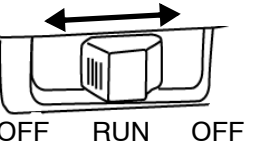
Override Switch

This vehicle is equipped with a reverse speed limiter system. To gain additional wheel speed while backing, release the throttle and press the override switch.

WARNING! Pressing the override switch while the throttle is open can cause loss of control, which may result in serious injury or death. Always release the throttle before pressing the override switch.

The override switch also allows activation of All Wheel Drive in reverse, if the AWD switch is on.

Engine Stop Switch



Move the stop switch either left or right to the OFF position to stop the engine quickly. The engine will not start or run when the switch is off.

Both the main switch and the engine stop switch will shut off all electrical power to the vehicle, including lights.

Main Key Switch

Use the main key switch to start the engine. See page 41 for starting procedures.

Switches

Headlight Switch

Use the headlight switch to turn the lights on and off. The key must be in the ON position and the engine stop switch must be in the RUN position to operate the headlights.

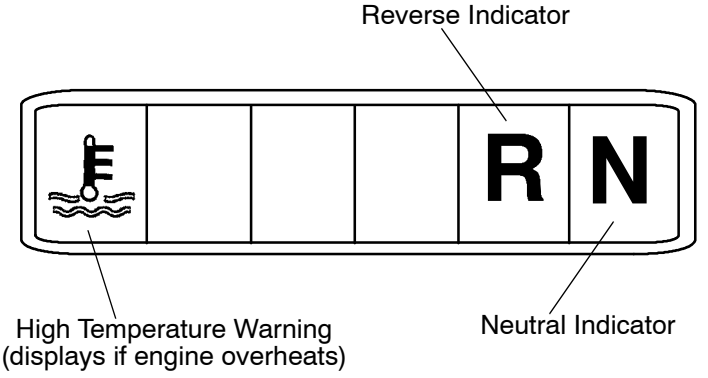
All Wheel Drive Switch

See page 36 for all wheel drive information.

Indicator Lights

With the engine running, verify the function of all indicator lights before each use of the vehicle.

Tip: The taillight is on whenever the main switch (key) is on. Turn the key off to prevent battery drain.



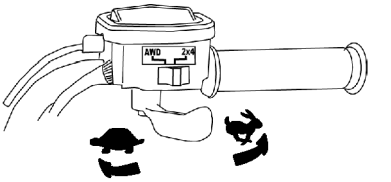
FEATURES AND CONTROLS
Throttle Lever

⚠ WARNING

Operating an ATV with sticking or improperly operating throttle controls could cause an accident. Never start or operate an ATV that has a sticking or improperly operating throttle. Always contact your dealer for service before operating the vehicle.

Failure to check or maintain proper operation of the throttle system can result in an accident if the throttle lever sticks during operation. Always check the lever for free movement and return before starting the engine. Also check occasionally during operation.

Modifications to the electronic throttle control could result in failure to perform as designed, which could result in an accident. Do not attempt to modify the throttle control system or replace it with any after market throttle mechanisms. Always ensure that the throttle cable is installed and properly routed to the throttle control.



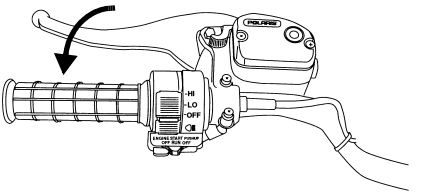
Engine speed and vehicle movement are controlled by pressing the throttle lever. The throttle lever is spring loaded. Engine speed returns to idle when the lever is released.

This ATV is equipped with Polaris Electronic Throttle Control (ETC), which is designed to reduce the risk of a frozen or stuck throttle. If the throttle cable should stick in an open position when the operator releases the throttle lever, the engine will stop, and power to the rear wheels will cease.

Brake Lever

⚠ WARNING

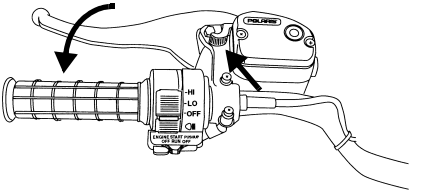
Operating the ATV with a spongy brake lever can result in loss of braking, which could cause an accident. Never operate the ATV with a spongy-feeling brake lever. Always contact your dealer for service before operating the vehicle.



Squeeze the brake lever toward the handlebar to apply the front and rear brakes. These brakes are hydraulically activated disc type brakes that are activated by only one lever.

Always test brake lever travel and master cylinder fluid level before riding. When squeezed, the lever should feel firm. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.

FEATURES AND CONTROLS
Parking Brake
Locking the Parking Brake



1. Place the transmission in gear.
2. Squeeze and release the brake lever two or three times, then squeeze and hold.
3. Push the parking brake lock forward to engage the lock.
4. Release the brake lever.
5. To release the parking brake lock, squeeze and release the brake lever. It will return to its unlocked position.

WARNING! Operating the ATV while the parking brake is engaged could result in an accident or fire. Always check to be sure the parking brake is disengaged before operating.

The parking brake may relax if left on for a long period of time. Always block the wheels to prevent rolling. Always block the wheels on the downhill side of the ATV if leaving it parked on a hill. Another option is to park the ATV in a sidehill position. Never depend on the parking brake alone if the ATV is parked on a hill. Always block the wheels to prevent rolling.

Auxiliary Foot Brake

⚠ WARNING

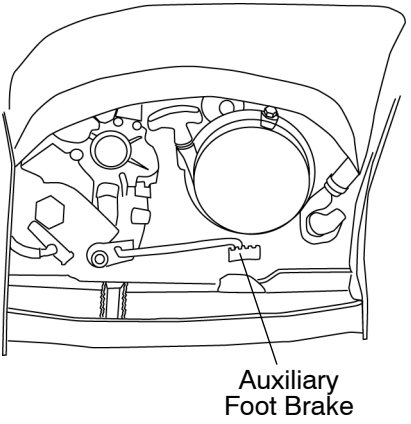
Aggressively applying the auxiliary brake when backing down a hill may cause rear tipover, which could result in serious injury or death. Never back down a hill.

Use caution when applying the auxiliary brake. Do not aggressively apply the auxiliary brake when going forward. The rear wheels may skid and slide sideways, causing loss of control, which may result in serious injury or death.

The auxiliary brake system is intended to be used as a backup for the main brake system. Should the main system fail, use the auxiliary foot brake.

The auxiliary foot brake is located on the inside of the right footrest. Operate this brake with your right foot.

If the rear wheels slide while using the auxiliary brake, *reduce* brake pedal pressure to brake the rear wheels without skidding.



FEATURES AND CONTROLS
Brake Fluid

⚠ WARNING

An over-full master cylinder may cause brake drag or brake lock-up, which could result in an accident. Maintain brake fluid at the recommended level. Do not overfill.

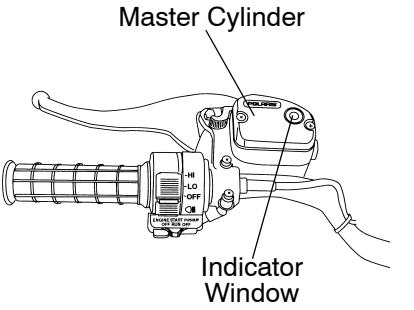
Never store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of brake failure, which could result in an accident. After opening a bottle of brake fluid, always discard any unused portion.

Always maintain brake fluid at the recommended level. Do not overfill. If the fluid level is low add DOT 4 brake fluid only. See page 109 for the part numbers of Polaris products.

Under normal operation, the diaphragm extends into the reservoir as fluid level drops. If the fluid level is low and the diaphragm is not extended, a leak is likely and the diaphragm should be replaced. To ensure proper diaphragm operation, always fill the reservoir as needed whenever the cover is loosened or removed. Do not overfill.

Brake Fluid

Hand Brake



Check the brake fluid level in the master cylinder before each use of the vehicle. The master cylinder is located on the left handlebar. Maintain the fluid level 1/4" (6 mm) below the top edge of the master cylinder. Do not overfill.

1. Position the vehicle on a level surface. Make sure the handlebars are straight.
2. View the fluid level through the indicator window (eye) on the top of the master cylinder. The eye will appear dark when the fluid level is full. When fluid is low, the eye will be clear.
3. Add the recommended fluid as needed. Do not overfill.

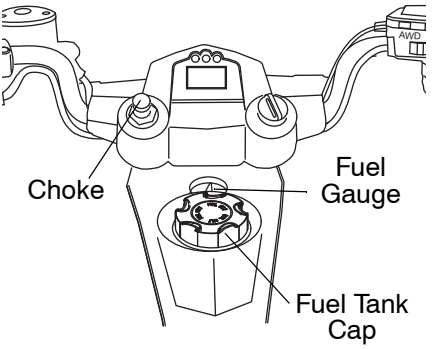
Auxiliary Foot Brake

Check the brake fluid level frequently for the auxiliary brake system. The brake fluid reservoir is located either under the seat or near the foot brake. Maintain the fluid level between the minimum and maximum marks. Do not overfill.

FEATURES AND CONTROLS

Choke

The choke assists in starting a cold engine. Refer to the engine starting procedure on page 41 for correct choke and throttle settings during starting.



Fuel Tank Cap

Always refuel with the engine stopped, and outdoors or in a well ventilated area. Refuel on a level surface.

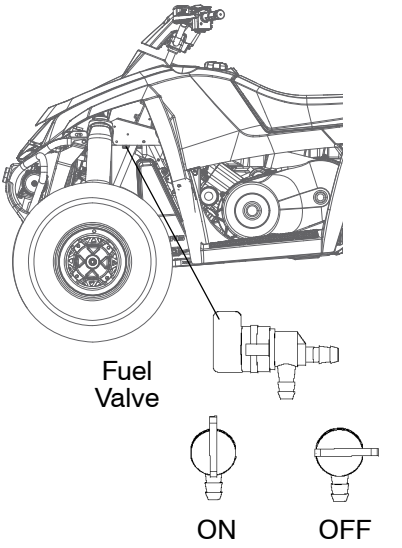
Remove the fuel tank cap to add fuel to the fuel tank. Use either leaded or unleaded gasoline with a minimum pump octane number of 87=(R+ M/2) octane. *Do not use fuel with ethanol content greater than 10 percent, such as E-85 fuel.*

Fuel Valve

The fuel valve is located on the left side of the vehicle, below the fender.

ON: For normal operation.

OFF: For vehicle storage and when transporting.



Fuel Filter

The in-line fuel filter should be replaced by your dealer after every 100 hours of operation or annually. Do not attempt to clean the fuel filter.

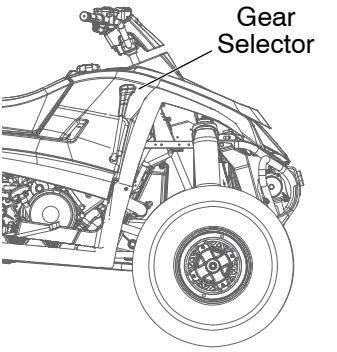
Automatic Transmission Gear Selector

The transmission gear selector is located on the right side of the vehicle.

F: Forward Gear

N: Neutral

R: Reverse



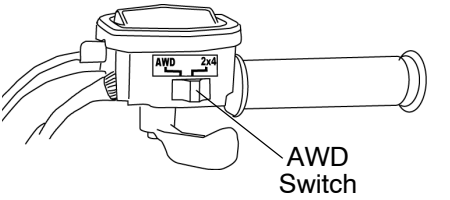
To shift gears, brake to a complete stop. When the engine is idling, move the lever to the desired gear.

NOTICE: Shifting gears with the engine speed above idle or while the vehicle is moving could cause transmission damage.

Whenever the ATV is left unattended, always place the transmission in gear and lock the parking brake.

FEATURES AND CONTROLS
All Wheel Drive (AWD) System

The All Wheel Drive system is controlled by the AWD switch. When the switch is on 2X4, the ATV is in two-wheel drive at all times. When the switch is on AWD, the ATV is in all wheel drive and the AWD indicator light will be on.



When in AWD, the demand drive unit will automatically engage any time the rear wheels lose traction. When the rear wheels regain traction, the demand drive unit will automatically disengage. There is no limit to the length of time the vehicle may remain in AWD.

Tip: The override switch allows activation of AWD in reverse if the AWD switch is on.

Engaging AWD

The AWD switch may be turned on or off while the vehicle is moving. Initially, the vehicle's electronic system will not enable the AWD until the engine RPM is below 3100. Once enabled, the AWD remains enabled until the AWD switch is turned off. If the switch is turned off while the demand drive unit is moving, it will not disengage until the rear wheels regain traction.

Engage the AWD switch before getting into conditions where front wheel drive may be needed. If the rear wheels are spinning, release the throttle before switching to AWD.

NOTICE: Switching to AWD while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to AWD while the rear wheels have traction or are at rest.

⚠ WARNING

Failure to operate the ATV properly can result in a collision, loss of control, accident or overturn, which may result in serious injury or death. Read and understand all safety warnings outlined in the safety section of this owner's manual.

Break-In Period

The break-in period for your new Polaris ATV is the first ten hours of operation, or the time it takes to use the first two full tanks of gasoline. No single action on your part is as important as following the procedures for a proper break-in. Careful treatment of a new engine and drive components will result in more efficient performance and longer life for these components.

NOTICE: Excessive heat build-up during the first three hours of operation will damage close-fitted engine parts and drive components. Do not operate at full throttle or high speeds during the first three hours of use.

Engine and Drivetrain Break-in

1. Fill the fuel tank with gasoline. See page 34. Always exercise extreme caution whenever handling gasoline.
2. Check the oil level on the dipstick. See page 64. Add oil if necessary to maintain the level in the safe operating range.
3. Drive slowly at first. Select an open area that allows room to familiarize yourself with vehicle operation and handling.
4. Vary the throttle positions. Do not operate at sustained idle.
5. Perform regular checks on fluid levels, controls and areas outlined on the daily pre-ride inspection checklist. See page 40.
6. Pull only light loads.
7. Change both the oil and the filter at 20 hours or one month, whichever comes first.

PVT Break-in (Clutches/Belt)

A proper break-in of the clutches and drive belt will ensure a longer life and better performance. Break in the clutches and belt by operating at slower speeds during the break-in period as recommended. Pull only light loads. Avoid aggressive acceleration and high speed operation during the break-in period.

OPERATION
Safe Operation Practices

1. Complete the recommended safety training before operating this vehicle. See page 7.
2. Do not allow anyone under 16 years of age to operate this vehicle. Do not allow anyone with cognitive or physical disabilities to operate this vehicle.
3. Never carry a passenger on this ATV.
4. Engine exhaust fumes are poisonous. Never start the engine or let it run in an enclosed area.
5. Before operating, learn how to use the auxiliary brake for emergency situations (if service brakes become inoperable).
6. Operate this vehicle off-road only. Never operate the vehicle on pavement or on any public street, road or highway, including dirt and gravel roads.
7. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.
8. Drive in a manner appropriate for your skills and operating conditions. Never operate at excessive speeds. Never attempt wheelies, jumps, or other stunts. Never remove your hands from the handlebars while operating, and always keep both feet on the footrests.
9. Never consume alcohol or drugs before or while operating an ATV.
10. Always use the size and type of tires specified for your vehicle. Always maintain proper tire pressure.
11. Never operate a damaged ATV. After any overturn or accident, have a qualified service dealer inspect the entire machine for possible damage.
12. Never operate the ATV on a frozen body of water.
13. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
14. Always remove the ignition key when the vehicle is not in use to prevent unauthorized use.

Know Your Riding Area/Tread Lightly

Familiarize yourself with all laws and regulations concerning the operation of this off-road vehicle in your area. Respect the environment in which you ride. Find out where the designated riding areas are by contacting your Polaris dealer, a local riding club or local officials.

Help keep our trails open for recreational vehicle use. As an off-road enthusiast, you represent the sport and can set a good example (or a poor example) for others to follow. Tread lightly. Operate with respect for the terrain, avoid littering, and always stay on the designated trails.

Trail Etiquette

Always practice good etiquette when riding. Allow a safe distance between your vehicle and other vehicles operating in the same area. Communicate to oncoming operators by signaling the number of vehicles in your group. When stopping, move your vehicle to the edge of the trail as far as possible to allow others to pass safely.

OPERATION
Pre-Ride Checklist

Failure to inspect and verify that the ATV is in safe operating condition before operating increases the risk of an accident. Always inspect the ATV before each use to make sure it's in safe operating condition.

Item	Remarks	Page
Brake system/lever travel	Ensure proper operation	29 71
Brake fluid	Ensure proper level	32
Auxiliary brake	Ensure proper operation	31
Front suspension	Inspect, lubricate if necessary	61
Rear suspension	Inspect, lubricate if necessary	61
Steering	Ensure free operation	-
Tires	Inspect condition and pressure	75
Wheels/fasteners	Inspect, ensure fastener tightness	75
Frame nuts, bolts, fasteners	Inspect, ensure tightness	-
Fuel and oil	Ensure proper levels	34 64
Coolant level	Ensure proper level	84
Coolant hoses	Inspect for leaks	-
Throttle	Ensure proper operation	28 73
Indicator lights/switches	Ensure operation	26
Engine stop switch	Ensure proper operation	26
Drive chain	Check condition/slack, lubricate as needed	81
Air filter, pre-filter	Inspect, clean	78
Air box sediment tube	Drain deposits whenever visible	-
Headlamp	Check operation, apply Polaris dielectric grease when lamp is replaced	27 87
Brake light/tail lamp	Check operation, apply Polaris dielectric grease when lamp is replaced	88
Riding gear	Wear approved helmet, goggles, and protective clothing	8

Starting the Engine

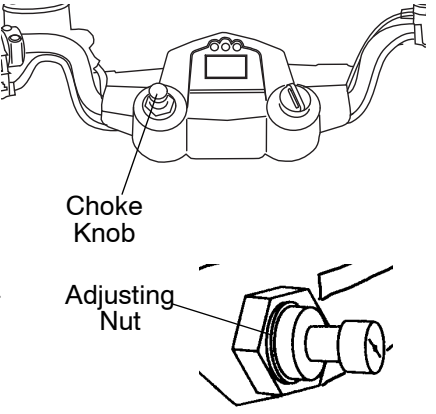
1. Position the vehicle on a level surface outdoors or in a well-ventilated area.
2. Place the transmission in neutral.
3. Lock the parking brake.

Tip: The starter interlock will prevent the engine from starting if the transmission is in gear and the brake is not engaged.

4. Turn the fuel valve on.
5. Sit on the vehicle.

Tip: Do not use the choke if starting a warm engine. Excessive use of the choke can cause the spark plug to become wet fouled.

6. If the engine is cold, pull the choke knob out until it stops. If the knob doesn't stay where positioned, increase the tension by rotating the tension adjusting nut clockwise.



Tip: The variable choke is fully on when the knob is pulled completely out. The choke is off when the knob is pushed completely in. The choke can be adjusted gradually, depending on how much choke is needed for starting. Be sure the choke is off during operation, as excess fuel washing into the engine oil will increase wear on engine components.

7. Move the engine stop switch to RUN.
8. Do not press the throttle while starting the engine.

9. Turn the ignition key past the ON position to engage the starter. Activate the starter for a maximum of five seconds, releasing the key when the engine starts.

NOTICE: Operating the vehicle immediately after starting could cause engine damage. Allow the engine to warm up for several minutes before operating the vehicle.

10. If the engine does not start, return the key to the OFF position and wait five seconds before attempting to start again. Activate the starter for another five seconds if necessary. Repeat this procedure until the engine starts.

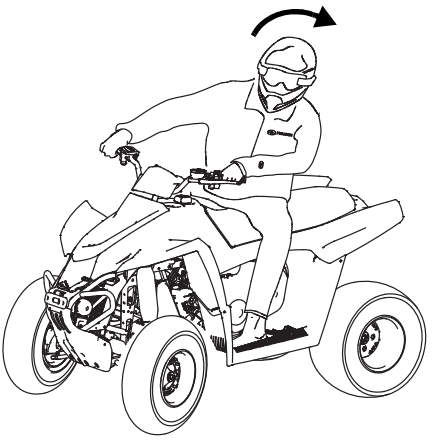
Tip: If a warm engine has cooled to a point where it does not readily start, intermittent use of the choke (knob pulled half way out) may be necessary. If the engine is over-choked when warm, depress the throttle lever fully while cranking to aid in starting. Release the throttle lever *immediately* after the engine starts. If the engine does not start and all conditions are favorable, change the spark plug and try again.

11. If the engine slows or stops, position the choke knob half way in to allow proper engine warm up. Vary the engine RPM slightly with the throttle to aid in warm-up. When the engine idles smoothly, push the choke completely in.

Driving Procedures

1. Wear a helmet and eye protection. See page 8.
2. Sit upright with both feet on the footrests and both hands on the handlebars.
3. Start the engine and allow it to warm up.
4. Shift the transmission into gear.
5. Check your surroundings and determine your path of travel.
6. Release the parking brake.
7. Slowly depress the throttle with your right thumb and begin driving.
8. Drive slowly. Practice maneuvering and using the throttle and brakes on level surfaces.

OPERATION
Turning the Vehicle



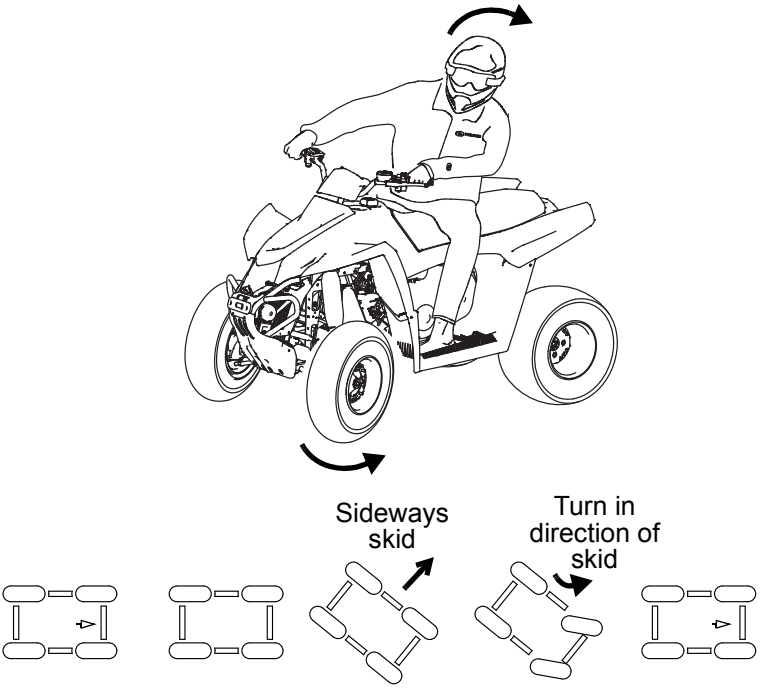
Your ATV is equipped with a solid rear axle, which drives both rear wheels equally at all times. This means that the wheel on the outside of the turn must travel a greater distance than the inside wheel when turning and the inside tire must slip traction slightly.

To turn, steer in the direction of the turn, leaning your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the rear wheels, allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.

Practice making turns at slow speeds before attempting to turn at faster speeds.

WARNING! Turning improperly can result in vehicle overturn. Never turn abruptly or at sharp angles. Never turn at high speeds.

Driving on Slippery Surfaces



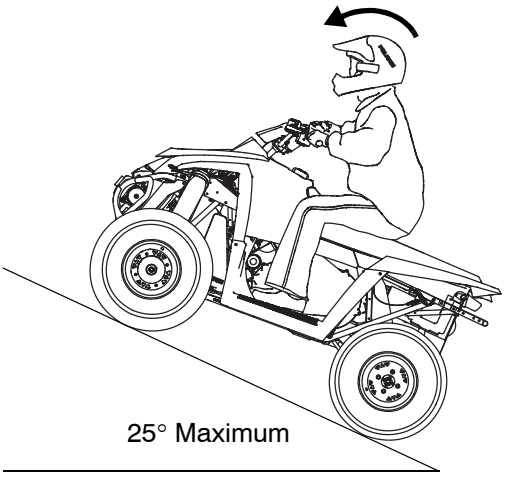
Whenever riding on slippery surfaces such as wet trails or loose gravel, or during freezing weather, follow these precautions:

1. Do not operate on excessively rough, slippery or loose terrain.
2. Slow down when entering slippery areas.
3. Engage AWD before wheels begin to lose traction.

NOTICE: Severe damage to drive train may occur if AWD is engaged while the wheels are spinning. Allow the rear wheels to stop spinning before engaging AWD, or engage AWD before wheels begin to lose traction.

4. Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns, which can cause skids.
5. Never apply the brakes during a skid. Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.

OPERATION
Driving Uphill



Braking and handling are greatly affected when operating in hilly terrain. Improper procedure could cause loss of control or overturn. Whenever traveling uphill, follow these precautions:

1. Drive straight uphill.
2. Avoid steep hills (25° maximum).
3. Always check the terrain carefully before ascending any hill.
4. Never climb hills with excessively slippery or loose surfaces.
5. Keep both feet on the footrests.
6. Shift body weight uphill.
7. Proceed at a steady rate of speed and throttle opening. Opening the throttle suddenly could cause the ATV to flip over backwards.
8. Remain alert and be prepared to take emergency action. This may include quick dismounting of the vehicle.

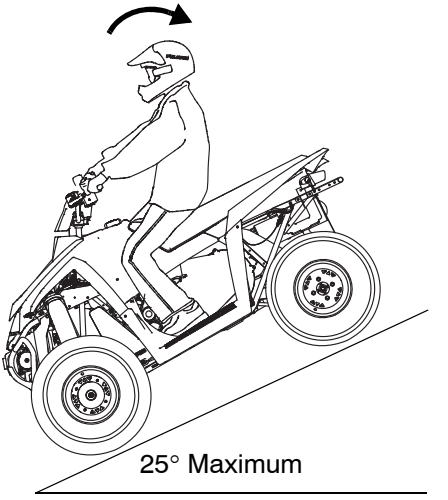
Driving on a Sidehill (Sidehilling)

Driving on a sidehill is not recommended. Improper procedure could cause loss of control or overturn. Avoid crossing the side of any hill unless absolutely necessary.

If crossing a sidehill is *unavoidable*, follow these precautions:

1. Slow down.
2. Avoid crossing the side of a steep hill.
3. Shift body weight uphill.
4. Keep your feet on the footrests.
5. If the vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side *immediately*!

OPERATION
Driving Downhill

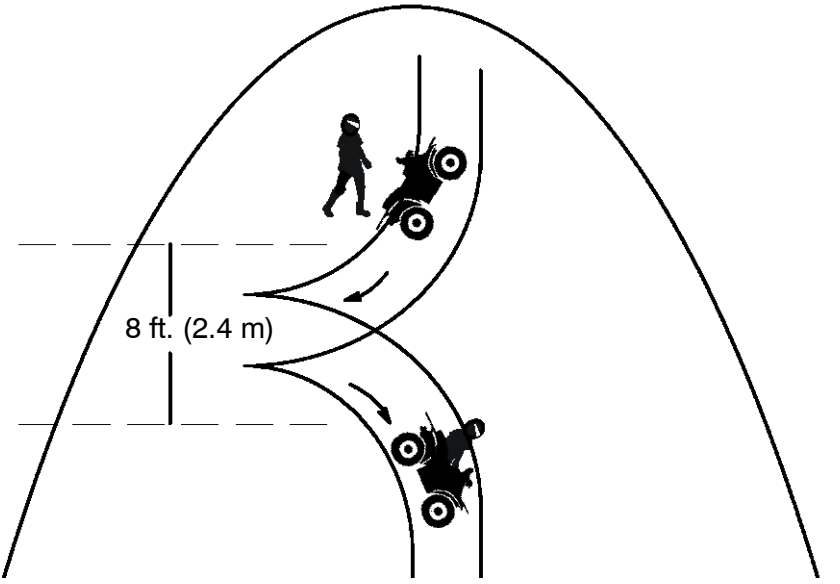


When driving downhill, follow these precautions:

1. Avoid steep hills (25° maximum).
2. Shift body weight uphill.
3. Drive straight downhill.
4. Slow down. Excessive speed when traveling downhill can cause loss of control.
5. Squeeze the brake lever gradually. Applying the brakes too firmly may cause the rear wheels to lock, which could result in loss of control.

Turning Around on a Hill (K-Turn)

If the vehicle stalls while climbing a hill, never back it down the hill! Use the K-turn to turn around.



1. Stop and lock the parking brake while keeping body weight uphill.
2. Leave the transmission in forward and shut off the engine.
3. Dismount on the uphill side of the vehicle, or on the left if the vehicle is pointing straight uphill.
4. Staying uphill of the vehicle, turn the handlebars full left.
5. While holding the brake lever, release the parking brake lock and slowly allow the vehicle to roll around to your right until it's pointing across the hill or slightly downward.
6. Lock the parking brake. Remount the vehicle from the uphill side, keeping body weight uphill.
7. Start the engine with the transmission still in forward.
8. Release the parking brake and proceed *slowly*, controlling speed with the brake lever, until the vehicle is on more level ground.

OPERATION
Driving Through Water

Your ATV can operate through water with a maximum recommended depth equal to the bottom of the footrests. Follow these procedures when operating through water:

1. Determine water depths and current before entering water.
2. Choose a crossing where both banks have gradual inclines.
3. Avoid operating through deep or fast-flowing water.

NOTICE: Major engine damage can result if the vehicle is not thoroughly inspected after operation in water. Perform the services outlined in the maintenance chart. See page 57. The following areas need special attention: engine oil, transmission oil, front and rear gearcases (if equipped) and all grease fittings.

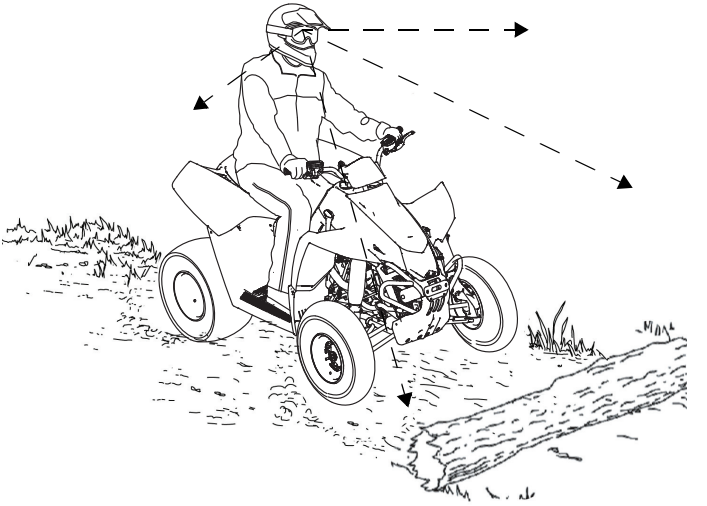
If the vehicle tips or overturns in water, or if the engine stops during or after operating in water, restarting can result in serious engine damage. Transport the vehicle to your dealer for service before restarting the engine. If this is not possible, follow the vehicle immersion inspection and drying procedures outlined on page 91, then see your dealer for service at the first opportunity.

4. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.

If it's unavoidable to enter water deeper than the footrest level:

- Proceed slowly. Avoid rocks and obstacles.
- Balance your weight carefully. Avoid sudden movements.
- Maintain a steady rate of speed. Do not make sudden turns or stops. Do not make sudden throttle changes.

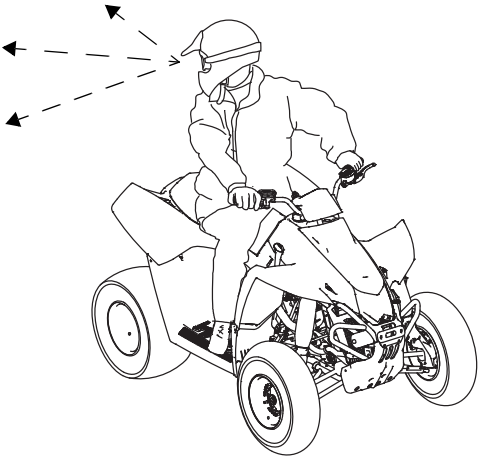
Driving Over Obstacles



Follow these precautions when operating over obstacles:

1. Always check for obstacles before operating in a new area.
2. Look ahead and learn to read the terrain. Be constantly alert for hazards such as logs, rocks and low hanging branches.
3. Travel slowly and use extra caution when operating on unfamiliar terrain. Not all obstacles are immediately visible.
4. Never attempt to operate over large obstacles, such as rocks or fallen trees.

OPERATION
Driving in Reverse

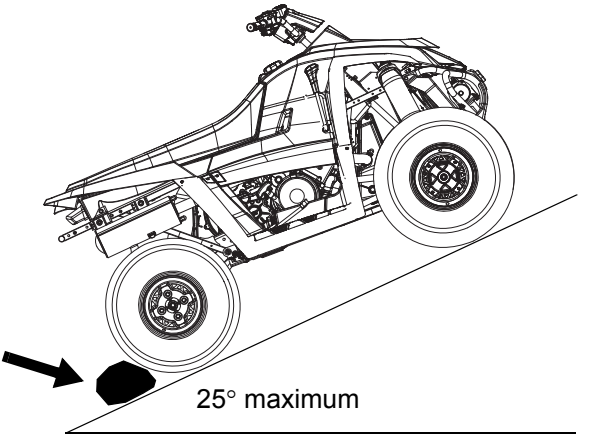


Follow these precautions when operating in reverse:

1. Always check for obstacles or people behind the vehicle.
2. Always avoid backing downhill.
3. Back slowly.
4. Apply the brakes *lightly* for stopping.
5. Avoid turning at sharp angles.
6. Never open the throttle suddenly.
7. Do not use the override switch unless additional wheel speed is required for vehicle movement. Use the override with caution as rearward vehicle speed is greatly increased. Do not operate at wide open throttle. Operate the throttle just enough to maintain a desired speed.

NOTICE: Excessive throttle operation while in the speed limit mode may cause fuel to build in the exhaust, resulting in engine popping and/or engine damage.

Parking on an Incline



Avoid parking on an incline if possible. If it's unavoidable, follow these precautions:

1. Stop the engine.
2. Place the transmission in gear.
3. Lock the parking brake.
4. Always block the rear wheels on the downhill side.
5. Turn the fuel valve off.

OPERATION
Hauling Cargo

⚠ WARNING

Overloading the vehicle or carrying or towing cargo improperly can alter vehicle handling and may cause loss of control or brake instability, which can result in serious injury or death. Always follow these precautions when hauling cargo:

REDUCE SPEED AND ALLOW GREATER DISTANCES FOR BRAKING WHEN HAULING CARGO.

NEVER EXCEED THE MAXIMUM WEIGHT CAPACITY of the vehicle. When determining the weight you are adding to the vehicle, include the weight of the operator, accessories, loads in the rack or box and the load on the trailer tongue. The combined weight of these items must not exceed the maximum weight capacity.

When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions.

CARRY LOADS AS LOW ON THE RACK AS POSSIBLE. Carrying a load high on the rack raises the center of gravity of the vehicle and creates a less stable operating condition.

SECURE ALL LOADS BEFORE OPERATING. Unsecured loads can create unstable operating conditions, which could result in loss of control of the vehicle.

OPERATE ONLY WITH STABLE AND SAFELY ARRANGED LOADS. When handling off-centered loads that cannot be centered, securely fasten the load and operate with extra caution. Always attach the tow load to the hitch point designated for your vehicle.

HEAVY LOADS CAN CAUSE BRAKING AND CONTROL PROBLEMS. Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.

USE EXTREME CAUTION when operating with loads that extend over the rack sides. Stability and maneuverability may be adversely affected, causing the vehicle to overturn.

NEVER CARRY CARGO ON THE FRONT OF THE VEHICLE.

DO NOT TRAVEL FASTER THAN THE RECOMMENDED SPEEDS. Vehicle should never exceed 10 mph (16 kph) while towing a load on a level surface. Vehicle speed should never exceed 5 mph (8 kph) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

Hauling Cargo

Never exceed the weight capacities specified for your ATV on warning labels and in the specifications section of this manual.

Always read and understand the load distribution warnings on the rack and hitch warning labels.

Never carry cargo on the front of the vehicle.

Cargo should be evenly distributed and mounted as low as possible on the rear rack. When operating over rough or hilly terrain, reduce speed and cargo or towed load to maintain stable driving conditions.

Towing Loads

Always attach a towed load to the hitch point. Remove the hitch from the ATV when not towing a trailer. If towing a load, reduce rear rack cargo weight by the amount of tongue weight.

- The combination of rear rack cargo weight and tongue weight must not exceed the rear rack capacity.
- The total load (operator, accessories, cargo and weight on hitch) must not exceed the maximum weight capacity of the vehicle.

NOTICE: Using an improper hitch or exceeding the maximum hitch weight capacity can result in serious damage to the vehicle and will void your ATV warranty. Always install Polaris-approved (or equivalent) accessories designed for ATV use.

EMISSION CONTROL SYSTEMS

Noise Emission Control System

Do not modify the engine, intake or exhaust components, as doing so may affect compliance with U.S.A. EPA noise control requirements (40 CFR 205) and local noise level requirements.

Operation on Public Lands in the U.S.A.

Your Polaris vehicle has a spark arrestor that was tested and qualified to be in accordance with the USFS standard 5100-1c. Federal law requires that this spark arrestor be installed and functional when the vehicle is operated on public lands.

Operation of off-road vehicles on public lands in the U.S.A. is regulated by 43 CFR 420. Violations are subject to monetary penalties. Federal regulations can be viewed online at www.gpoaccess.gov/ecfr/.

Crankcase Emission Control System

This engine is equipped with a closed crankcase system. Blow-by gases are forced back to the combustion chamber by the intake system. All exhaust gases exit through the exhaust system.

Exhaust Emission Control System

The emissions from the exhaust of this vehicle are controlled by engine design, including factory-set fuel delivery and ignition. The engine and related components must be maintained at Polaris specifications to achieve optimal performance.

Engine idle speed is the only adjustment Polaris recommends that the operator perform. Any other adjustments should be performed by an authorized Polaris dealer.

The vehicle compliance labels can be found on the frame tubing of the vehicle.

Electromagnetic Interference

This spark ignition system complies with Canadian ICES-002.

This vehicle complies with the EMC requirements of European directives 97/24/EC and 2004/108/EC.

Periodic Maintenance Chart

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment and lubrication of important components are explained in the periodic maintenance chart.

Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, use genuine Polaris parts available from your Polaris dealer.

Record maintenance and service in the Maintenance Log beginning on page 125.

Service and adjustments are important for proper vehicle operation. If you're not familiar with safe service and adjustment procedures, have a qualified dealer perform these operations.

Maintenance intervals in the following chart are based upon average riding conditions and an average vehicle speed of approximately 10 miles per hour (16 km/h). Vehicles subjected to severe use must be inspected and serviced more frequently.

Severe Use Definition

- Frequent immersion in mud, water or sand
- Racing or race-style high RPM use
- Prolonged low speed, heavy load operation
- Extended idle
- Short trip cold weather operation

Pay special attention to the oil level. A rise in oil level during cold weather can indicate contaminants collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level, and if it continues to rise, discontinue use and determine the cause or see your dealer.

MAINTENANCE
Periodic Maintenance Chart

⚠ WARNING

Improperly performing the procedures marked with a ■ could result in component failure and cause an accident, which may result in serious injury or death. Always have an authorized Polaris dealer perform these services.

Maintenance Chart Key

▶ Perform these operations more often for vehicles subjected to severe use.

E Emission-related service (Failure to conduct this maintenance will not void the emissions warranty but may affect emissions.)

■ Have an authorized Polaris dealer perform these services.

Perform all services at whichever maintenance interval is reached first.

Item		Maintenance Interval (whichever comes first)			Remarks
		Hours	Calendar	Miles (Km)	
■	Steering	-	Pre-Ride	-	Make adjustments as needed. See Pre-Ride Checklist on page 40.
▶	Front suspension	-	Pre-Ride	-	
▶	Rear suspension	-	Pre-Ride	-	
	Tires	-	Pre-Ride	-	
▶	Brake fluid level	-	Pre-Ride	-	
▶	Brake lever travel	-	Pre-Ride	-	
	Brake system	-	Pre-Ride	-	
	Wheels/fasteners	-	Pre-Ride	-	
	Frame fasteners	-	Pre-Ride	-	
▶	Engine oil level	-	Pre-Ride	-	
▶ **E**	Air filter, pre-filter	-	Daily	-	Inspect; clean often; replace as needed
▶	Air box sediment tube	-	Daily	-	Drain deposits when visible
	Headlamp/tail lamp	-	Daily	-	Check operation; apply dielectric grease if replacing
▶ **E**	Air filter, main element	-	Weekly	-	Inspect; replace as needed
▶ ■	Brake pad wear	10 H	Monthly	100 (160)	Inspect periodically

Periodic Maintenance Chart

	Item	Maintenance Interval (whichever comes first)			Remarks
		Hours	Calendar	Miles (Km)	
	Battery	20 H	Monthly	200 (320)	Check terminals; clean; test
▶	Demand drive fluid	25 H	Monthly	250 (400)	Inspect level; change yearly
▶	Transmission oil	25 H	Monthly	250 (400)	Inspect level; change yearly
▶ E	Engine breather filter (if equipped)	25 H	Monthly	250 (400)	Inspect; clean if needed
▶	General lubrication	50 H	3 M	500 (800)	Lubricate all fittings, pivots, cables, etc.
	Carburetor float bowl	50 H	6 M	500 (800)	Drain bowl periodically and prior to storage
■ E	Throttle Cable/ ETC Switch	50 H	6 M	500 (800)	Inspect; adjust; lubricate; replace if necessary
■ E	Choke cable	50 H	6 M	500 (800)	Inspect; adjust; lubricate; replace if necessary
E	Carburetor air intake ducts/flange	50 H	6 M	500 (800	Inspect duct for proper seal-ing/air leaks
	Drive belt	50 H	6 M	500 (800)	Inspect; adjust; replace as needed
	Cooling system (if applicable)	50 H	6 M	1000 (1600)	Inspect coolant strength seasonally; pressure test system yearly
▶	Engine oil change	100 H	6 M	1000 (1600)	Perform a break-in oil change at 20 hours
▶	Oil filter change	100 H	6 M	1000 (1600)	Replace with oil change
▶	Oil tank vent hose (if equipped)	100 H	12 M	1000 (1600)	Inspect routing, condition
■ E	Valve clearance	100 H	12 M	1000 (1600)	Inspect; adjust
■ E	Fuel system/filter	100 H	12 M	1000 (1600)	Check for leaks at tank cap, lines, fuel valve, filter, pump, carburetor; replace lines every two years

▶ Perform these procedures more often for vehicles subjected to severe use.
E Emission-Related Service
■ Have an authorized Polaris dealer perform these services.

MAINTENANCE
Periodic Maintenance Chart

Item		Maintenance Interval (whichever comes first)			Remarks
		Hours	Calendar	Miles (Km)	
▶	Radiator (if applicable)	100 H	12 M	1000 (1600)	Inspect; clean external surfaces
▶	Cooling hoses (if applicable)	100 H	12 M	1000 (1600)	Inspect for leaks
▶	Engine mounts	100 H	12 M	1000 (1600)	Inspect
	Exhaust muffler/ pipe	100 H	12 M	1000 (1600)	Inspect
■ E	Spark plug	100 H	12 M	1000 (1600)	Inspect; replace as needed
■ E	Ignition Timing	100 H	12 M	1000 (1600)	Inspect
▶	Wiring	100 H	12 M	1000 (1600)	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.
■	Clutches (drive and driven)	100 H	12 M	1000 (1600)	Inspect; clean; replace worn parts
■	Front wheel bearings	100 H	12 M	1000 (1600)	Inspect; replace as needed
■	Brake fluid	200 H	24 M	2000 (3200)	Change every two years
	Spark arrestor	300 H	36 M	3000 (4800)	Clean out
	Idle speed	-			Adjust as needed
■	Toe adjustment	-			Inspect periodically; adjust when parts are replaced
	Headlight aim	-			Adjust as needed

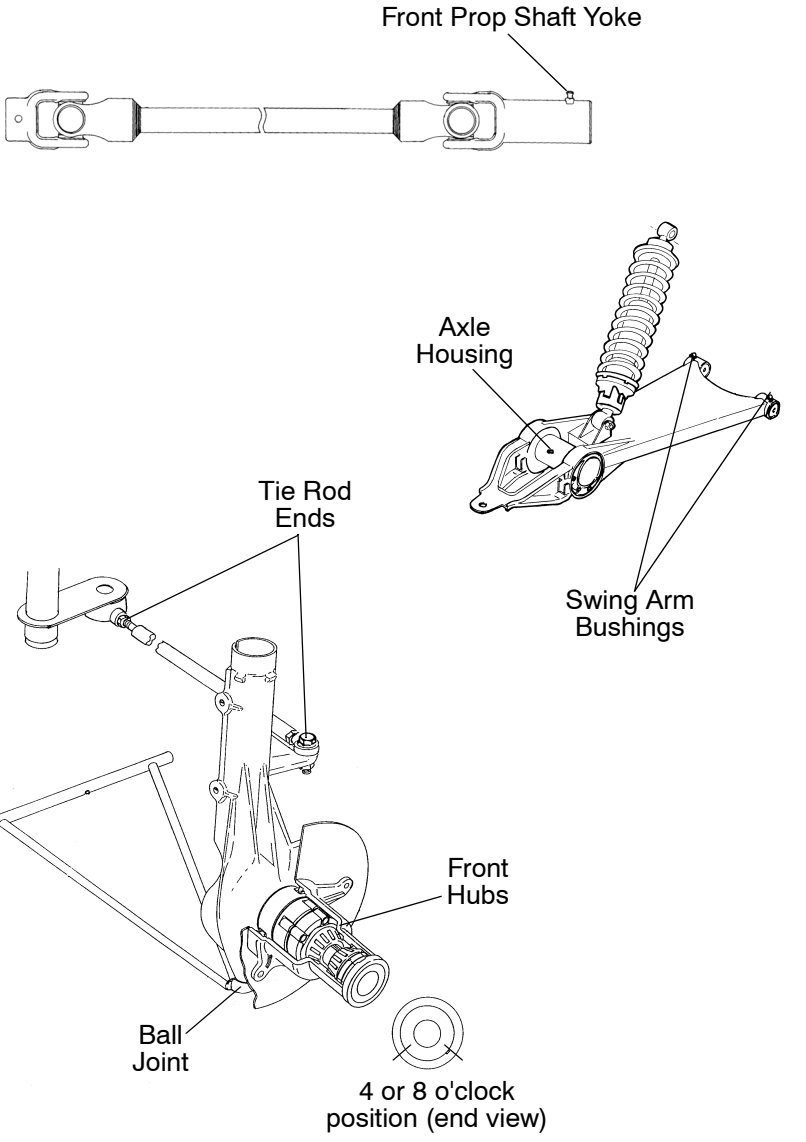
Lubrication Guide

Check and lubricate all components at the intervals outlined in the Periodic Maintenance Chart beginning on page 57. Items not listed in the chart should be lubricated at the General Lubrication interval. See page 109 for the part numbers of Polaris products.

The a-arms and lower control arms are lubricated at the factory, and no additional lubrication will be needed. However, if these components are subjected to severe use, grease zerks have been provided for additional lubrication at the user's discretion.

Item	Lube	Method
Engine Oil	PS-4 PLUS Performance Synthetic 2W-50	See page 63.
Brake Fluid	DOT 4 Only	See page 32.
Drive Chain(s)	O-ring chain lube or SAE 80/90	Lubricate.
Transmission Oil	AGL Synthetic Gearcase Lube	See page 68.
Demand Drive Fluid (Front Gearcase)	Demand Drive LT Premium Fluid	See page 70.
Front Prop Shaft Yoke	Premium U-Joint Lube	Grease fittings (3 pumps maximum) every 500 miles (800 km), before long periods of storage, or after pressure washing or submerging.
Front Hubs	Premium Hub Lube	Remove set screw in hubs. Rotate wheels to 4 o'clock position. If lubricant is not visible add more. Reinstall set screw.
Swing Arm Bushings	▶Premium All Season Grease	Locate fittings on swing arm and grease with grease gun
Axle Housing		
Ball Joint	▶Premium All Season Grease	Locate fitting on back side of struts and grease with grease gun.
Tie Rod Ends	▶Premium All Season Grease	Lift boot, clean away dirt and grease, apply fresh grease by hand and reassemble. Perform when suspension action becomes stiff, or after washing.

MAINTENANCE
Lubrication Guide



Engine Oil

Oil Recommendations

Always change the oil filter whenever changing oil.

Polaris recommends the use of Polaris PS-4 *PLUS Performance* Synthetic 2W-50 4-cycle oil or a similar oil for this engine. Oil may need to be changed more frequently if Polaris oil is not used. Always use 2W-50 oil. Follow the manufacturer's recommendations for ambient temperature operation. See page 109 for the part numbers of Polaris products.

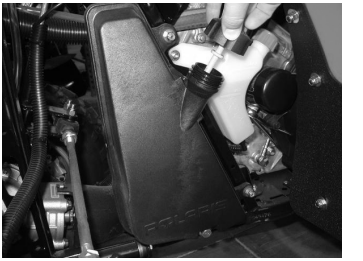
NOTICE: Mixing brands or using a non-recommended oil may cause serious engine damage. Always use the recommended oil. Never substitute or mix oil brands.

Oil Specifications

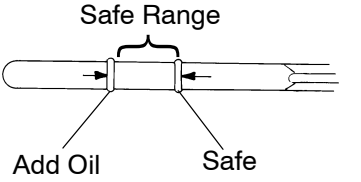
Lubricant	Capacity	Drain Plug Torque
PS-4 PLUS Performance Synthetic 2W-50 4-Cycle Oil	2 qts. (1.9 l)	14-17 ft. lbs. (19-23 Nm)

MAINTENANCE
Engine Oil
Oil Level

The oil dipstick is located on the left side of the vehicle.



1. Position the vehicle on a level surface. Place the transmission in neutral. Lock the parking brake.
2. Start the engine. Allow it to idle for 30 seconds. Stop the engine.
3. Remove the dipstick. Wipe it dry with a clean cloth.
4. Reinstall the dipstick completely. Make sure the cap is fully seated to keep the angle and depth of the stick consistent.
5. Remove the dipstick and check the oil level. Add oil as needed. Maintain the oil level in the safe range. Do not overfill.
6. Reinstall the dipstick.



Oil and Filter Change

Always change the oil and filter at the intervals outlined in the Periodic Maintenance Chart beginning on page 57. Always change the oil filter whenever changing oil.

1. Position the vehicle on a level surface. Clean the area around the drain plug at the bottom of the oil tank and the bottom of the engine.
2. Start the engine. Allow it to idle for two to three minutes. Stop the engine.
3. Place a drain pan under the oil tank. Remove the drain plug. Allow the oil to drain completely.

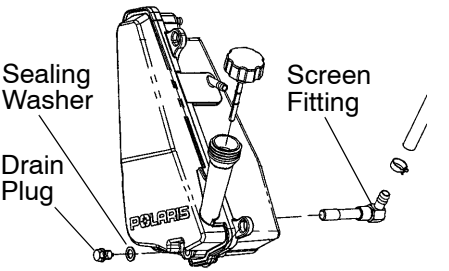
CAUTION! Hot oil can cause burns to skin. Do not allow hot oil to contact skin.

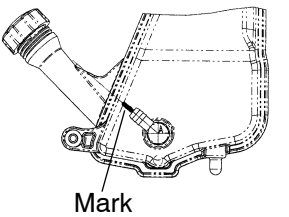
4. Reinstall the drain plug with a new sealing washer. Torque to specification. See page 63.

Tip: The sealing surfaces on the drain plug and crankcase should be clean and free of burrs, nicks or scratches.

5. Disconnect the lower oil delivery hose and remove the screen fitting from the oil tank. Clean the fitting.

NOTICE: The fitting threads must be sealed with LOCTITE PST 505 or PTFE seal tape.



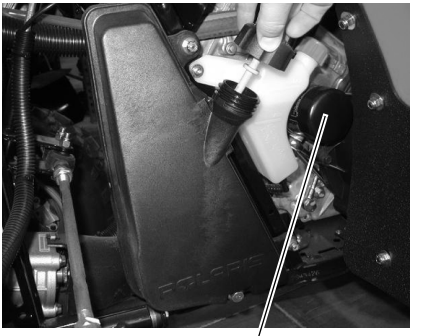


6. Reinstall the screen fitting and rotate the fitting clockwise a minimum of 2 1/2 turns into the tank threads. Continue to rotate the fitting until the nipple of the fitting aligns with the mark on the tank.

NOTICE: Do not over-tighten. Maximum torque for the screen fitting is 25 ft. lbs. (34 Nm).

7. Reattach the oil line.

8. Place towels under the oil filter. Using an oil filter wrench, turn the filter counterclockwise to remove it.
9. Lubricate the gasket on the new filter with a film of new engine oil. Check to make sure the gasket is in good condition. Make sure the gasket from the old filter is not still on the engine.
10. Install the new oil filter. After the filter contacts the engine surface, turn it 1/2 to 3/4 turn by hand.



11. Approximately one cup of engine oil will remain in the crankcase. To drain, remove the drain plug on the lower right side of the crankcase.

Tip: The sealing surfaces on the drain plug and crankcase should be clean and free of burrs, nicks or scratches.

12. Reinstall the drain plug and torque to 14 ft. lbs. (19 Nm).
13. Remove the dipstick. Add the recommended oil. See page 63. Reinstall the dipstick.

Tip: If the sump is not drained, add about 1 3/4 quarts initially.

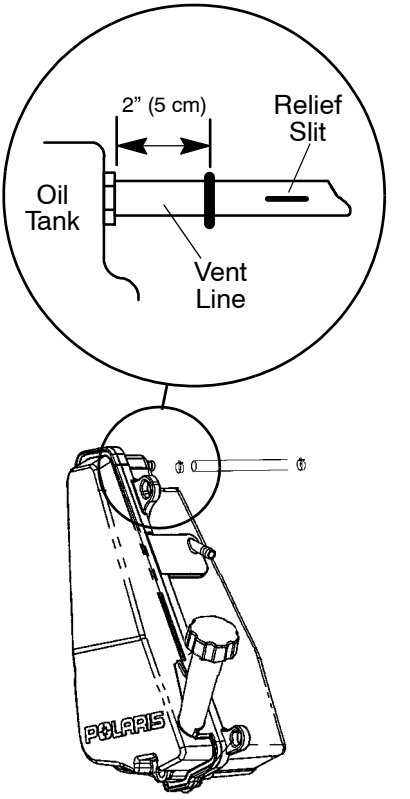
14. Place the transmission in neutral. Lock the parking brake.
15. *Prime the oil pump using the procedure on page 67.* Then stop the engine and inspect for leaks.
16. Remove the dipstick and check the oil level. Add oil as needed. Maintain the oil level in the safe range. Do not overfill.
17. Discard used oil and filter properly.

Oil and Filter Change

Oil Pump Priming

This priming procedure must be performed whenever the oil hose connection between the oil tank and pump inlet has been disconnected.

1. Clamp or pinch off the vent line approximately two inches (5 cm) from the oil tank, between the end of the oil tank vent fitting and the vent line's pressure relief slit.
2. Run the engine for 10-20 seconds.
3. Remove the vent line clamp. If the line is bled properly, you should hear a rush of air, indicating that the line is properly primed and ready for operation. *If you do not hear air, the line has not bled, and you'll need to repeat the priming procedure.*



MAINTENANCE
Transmission Oil

Always check and change the transmission oil at the intervals outlined in the Periodic Maintenance Chart beginning on page 57. Maintain the oil level at the bottom of the fill hole threads. See page 109 for the part numbers of Polaris products.

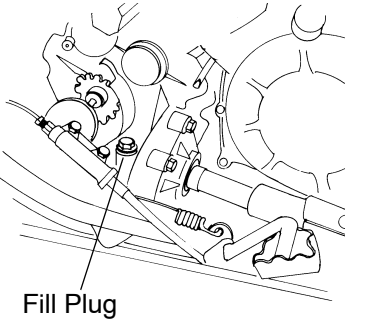
The fill plug is located on the left side of the ATV, under the rear fender, behind the wheel. The drain plug is located behind the wheel well.

Transmission Oil Recommendations

Gearcase	Lubricant	Capacity	Fill Plug Torque	Drain Plug Torque
Transmission	Premium AGL Synthetic Gearcase Lubricant	32 oz. (946 ml)	14 ft. lbs. (19 Nm)	14 ft. lbs. (19 Nm)

Oil Check

1. Position the vehicle on a level surface.
2. Remove the propshaft shield from the right side of the vehicle to access the fill plug. Remove the fill plug.
3. Check the oil level. Add oil as needed. Do not overfill.
4. Reinstall the fill plug. Torque to specification.



Transmission Oil

Oil Change

1. Position the vehicle on a level surface.
2. Remove the propshaft shield from the right side of the vehicle to access the fill plug. Remove the fill plug.
3. Remove the transmission drain plug located on the bottom left-hand side and drain the oil into an appropriate container. Discard used oil properly.
4. Clean and reinstall the drain plug. Torque to specification.
5. Add the proper amount of the recommended lubricant.
6. Reinstall the fill plug. Torque to specification.
7. Check for leaks.
8. Reinstall the propshaft shield.

MAINTENANCE
Front Gearcase (Demand Drive) Fluid

Always check and change the demand drive fluid at the intervals outlined in the Periodic Maintenance Chart beginning on page 57. Maintain the fluid level at the bottom of the fill hole threads. See page 109 for the part numbers of Polaris products.

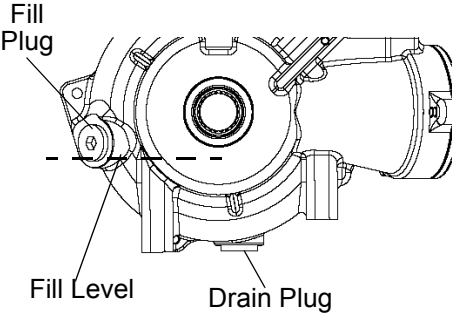
Fluid Recommendations

Gearcase	Lubricant	Capacity	Fill Plug Torque	Drain Plug Torque
Front Gearcase	Demand Drive LT Premium Fluid	9 oz. (265 ml)	8-10 ft. lbs. (11-14 Nm)	11 ft. lbs. (15 Nm)

Fluid Check

The fill plug is located on the right side of the demand drive unit.

1. Position the vehicle on a level surface.
2. Remove the fill plug. Check the fluid level.
3. Add the recommended demand drive fluid as needed to bring the level to the bottom of the fill hole threads.
4. Reinstall the fill plug. Torque to specification.



Fluid Change

The drain plug is located on the bottom right side of the unit.

1. Position the vehicle on a level surface.
2. Remove the fill plug.
3. Place a drain pan under the demand drive unit. Remove the drain plug. Allow the fluid to drain completely.
4. Clean and reinstall the drain plug. Torque to specification.
5. Add the recommended fluid to capacity.
6. Reinstall the fill plug. Torque to specification.
7. Check for leaks.
8. Dispose of used fluid properly.

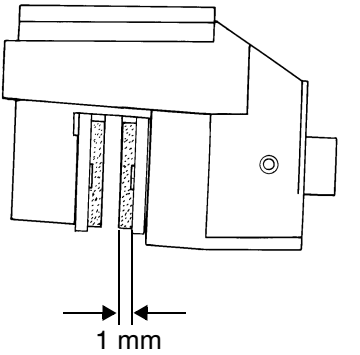
Brakes

The front and rear brakes are hydraulic disc brakes, activated by moving the single brake lever toward the handlebar. The auxiliary foot brake is also hydraulic. Both brake systems are self-adjusting.

Brake Inspections

The following checks are recommended to keep the brake system in good operating condition. Check more often if brakes are used heavily under normal operation.

1. Always keep brake fluid at an adequate level. See page 32.
2. Check the brake system for fluid leaks.
3. Check the brakes for excessive travel or spongy feel.
4. Check the friction pads for wear, damage and looseness. Replace the pads when the friction material is worn to 1 mm.
5. Check the security and surface condition of the disc.



Side Panel Removal

Tip: Side panel removal may be difficult until the locking tabs and receivers have been snapped and unsnapped a few times.

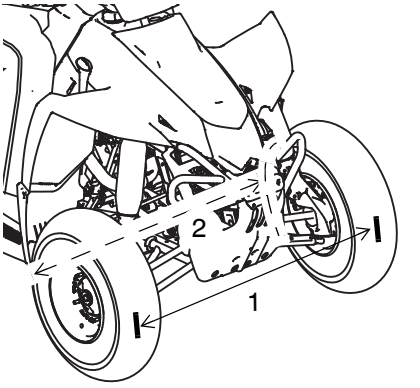
1. Remove the seat.
2. Remove the push-pins at the front and rear of the side panel.
3. Grasp the rear of the side panel near the rear cab. Pull the panel slightly outward, downward and rearward to disengage the upper front section.
4. To reinstall the side panel, align the upper and lower front section with the mating front cab tabs. Push the panel upward and forward until the panel is fully seated at the front. Lock the rear of the panel into the rear front cab tabs. Reinstall the push-pins at the front and rear of the side panel.

MAINTENANCE
Toe Alignment

Use the following procedure to check the toe alignment of the vehicle. The recommended toe alignment is 1/8" to 1/4" (3-6 mm) toe out.

WARNING! Severe injury or death can result from improper toe alignment and adjustment. Do not attempt to adjust tie rod alignment. All tie rod adjustments should be performed by an authorized Polaris dealer.

1. Position the vehicle on a level surface.
2. Set the handlebars in a straight-ahead position and secure them in this position.
3. Place a chalk mark on the center line of the front tires approximately 10" (25.4 cm) from the floor, or as close to the hub/axle center line as possible. Make sure both marks are the same distance from the floor.
4. Measure the distance between the marks and record the measurement (1).
5. Move the vehicle until the chalk marks are at the rear of the tires, even with the hub/axle center line.



6. Measure the distance between the marks and record the measurement (2).
7. Subtract measurement 2 from measurement 1. The difference is the vehicle toe-out alignment.
8. If you discover improper alignment, see your Polaris dealer for service.

Steering Assembly

The steering assembly of the ATV should be checked periodically for loose nuts and bolts. If loose nuts and bolts are found, see your Polaris dealer for service before operating the vehicle.

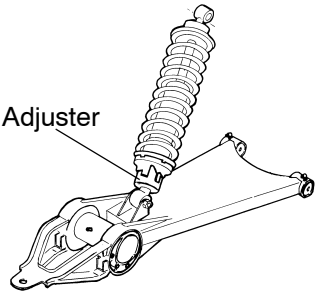
Camber and Caster

The camber and caster are non-adjustable.

Rear Spring

The rear shock absorber spring is adjusted by rotating the adjuster either clockwise or counterclockwise to increase or decrease spring tension.

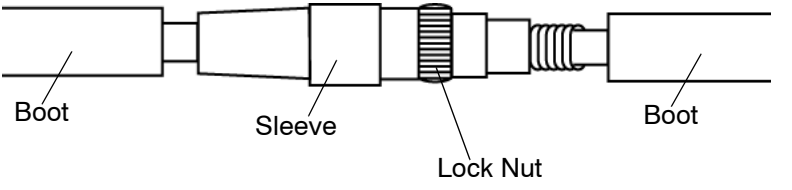
Accessory springs are available through your Polaris dealer.



Throttle Cable Freeplay

Adjust throttle cable freeplay at the handlebar.

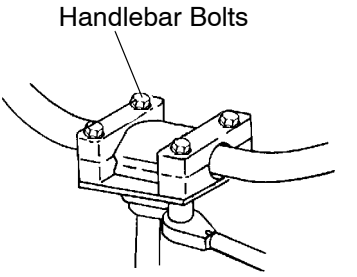
1. Slide the boots off the inline cable adjuster sleeve. Loosen the adjuster locknut.
2. Turn the adjuster until 1/16" to 1/8" (1.5-3 mm) of freeplay is achieved at the thumb lever. While adjusting freeplay, be sure to flip the throttle lever back and forth several times.
3. Tighten the lock nut and slide the boots over the cable adjuster until they touch at the midpoint of the adjuster.



MAINTENANCE
Handlebars

The handlebars can be adjusted for rider preference.

WARNING! Improper adjustment of the handlebars or incorrect torquing of the adjuster block tightening bolts can cause limited steering or loosening of the handlebars, resulting in loss of control and serious injury or death. Follow the adjustment procedures exactly, or see your Polaris dealer for service.



1. Remove the handlebar cover to access the handlebar bolts.
2. Loosen the four handlebar bolts.
3. Adjust the handlebar to the desired height.
4. Be sure the handlebars do not contact the gas tank or any other part of the machine when turned fully to the left or right.
5. Torque the front two bolts to 10-12 ft. lbs. (14-17 Nm), then torque the rear two bolts. A gap of up to 1/8" (3 mm) will remain at the rear bolts.

Tires

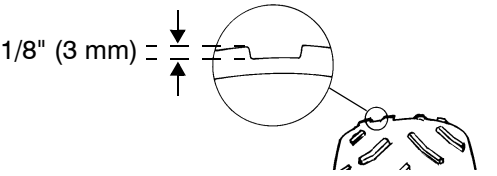
⚠ WARNING

Operating your ATV with worn tires, improperly inflated tires, non-standard tires or improperly installed tires will affect vehicle handling and could cause an accident resulting in serious injury or death. Always follow all tire maintenance procedures as outlined in this manual and on the labels on the vehicle. Always use original equipment size and type when replacing tires.

Refer to the specifications section beginning on page 114 for recommended tire type, size and pressure.

Tire Tread Depth

Always replace tires when tread depth is worn to 1/8" (3 mm) or less.



Front Wheel Hub Tightening

Front wheel bearing tightness and spindle nut retention are critical component operations. All service must be performed by your authorized Polaris dealer.

MAINTENANCE

Tires

Wheel Removal

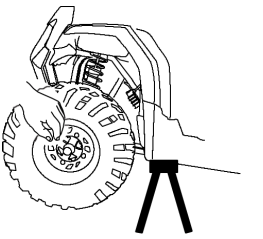
1. Position the vehicle on a level surface. Place the transmission in gear. Lock the parking brake.
2. Loosen the wheel nuts slightly.

WARNING! Do not service axle nuts that have a cotter pin installed. See your Polaris dealer.

3. Place a suitable stand under the footrest frame to raise the wheel slightly off the ground.
4. Remove the wheel nuts.
5. Remove the wheel.

Wheel Installation

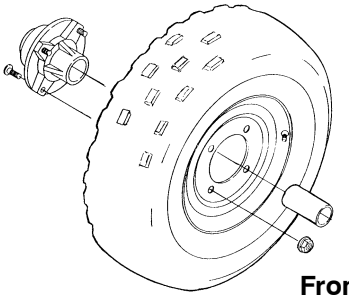
1. Place the wheel on the wheel hub with the valve stem toward the outside and the rotation arrows on the tire pointing toward forward rotation.
2. Install the wheel nuts finger tight. On vehicles with tapered rear wheel nuts, make sure the tapered ends of the nuts fit into the tapers on the wheels.
3. Lower the vehicle to the ground.
4. Torque the wheel nuts to specification (page 77).



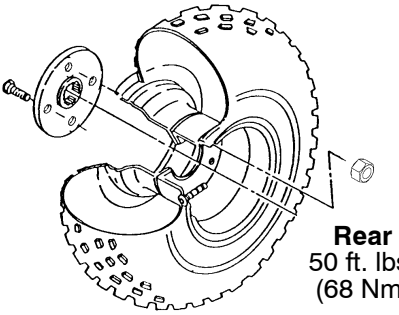
WARNING! Loose nuts could cause a tire to come off during operation, which could result in an accident or overturn. Always ensure that all nuts are torqued to specification.

Tires

Wheel Nut Torque Specifications



Front
27 ft. lbs.
(37 Nm)



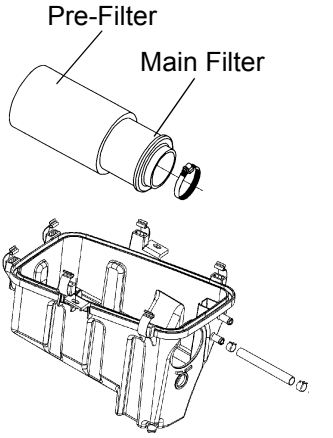
Rear
50 ft. lbs.
(68 Nm)

Check the wheel nut torques occasionally and when they've been loosened for service.

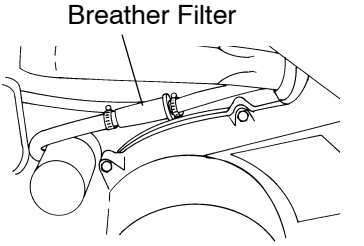
Item	Torque Specification
Front Wheel Nuts	27 ft. lbs. (37 Nm)
Rear Wheel Nuts	50 ft. lbs. (68 Nm)

MAINTENANCE
Air Filter

1. Remove the seat.
2. Release the air box cover clips, and remove the air box cover.
3. Loosen the clamp and remove the filter.
4. Remove the fabric type pre-filter from the main filter. Wash the pre-filter in soapy water, then rinse and let dry.
5. Reinstall the pre-filter over the main filter. Install a new main filter if needed.
6. Reinstall the filter into the air box and tighten the clamp. Do not over-tighten the clamp, as filter damage could occur.
7. Reinstall the air box cover and the seat.



Breather Filter



1. Remove the clamps and pull the breather filter out of the hoses. It's not necessary to remove the lower hose from the engine.
2. Inspect the filter for debris. Blow gently through the filter in the direction of the arrow to check for clogging. Replace if needed.
3. Check the hoses for cracks, deterioration, abrasion, or leaks. Replace as needed.
4. Reinstall the filter and secure the clamps. The filter is effective with the arrow pointing in either direction.

NOTICE: Operation of your vehicle without a breather filter can cause engine damage. Always reinstall the breather filter after removing it for service.

MAINTENANCE
Carburetor

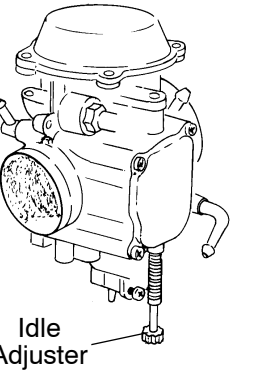
Your Polaris ATV is calibrated at the factory for optimal performance at altitudes ranging from zero to 6,000 feet (1800 m) and temperatures of +40 degrees F. (4 degrees C.) or higher. Above 6000 feet (1800 m) the engine air/fuel mixture becomes overly rich and the engine loses approximately 3% of its power for each 1000-foot (304.8 m) increase in elevation. Although this power cannot be regained, adjustments to the carburetor and drive system can be made to allow more efficient operation. Optional jets, available from your Polaris dealer, are required for operation above 6,000 feet and temperatures below +40 degrees F. (4 degrees C.)

Tip: Continuous operation of the engine without proper jetting when required can cause poor performance, overheating or PVT or engine damage. See your Polaris dealer for more information about jetting the ATV for conditions in your area.

Carburetor/Engine Idle RPM Adjustment

If the engine idle speed is not satisfactory, and all other conditions are favorable, the carburetor can be adjusted.

1. Place the transmission in gear. Lock the parking brake.
2. Start the engine and allow it to warm up for approximately five minutes.
3. Turn the screw in (clockwise) to raise RPM. Turn the screw out (counterclockwise) to lower RPM.



Drive Chain

Drive Chain Lubrication

Polaris ATV drive chains are equipped with o-ring-sealed, permanently greased pins and rollers. However, the outer surfaces of the roller must be lubricated.

Always inspect the drive chain prior to operating the vehicle. Check for damaged or missing o-rings or damaged rollers. Also check for correct slack adjustment. Maintain the stone guard to rear sprocket clearance at 1/8” (3 mm).

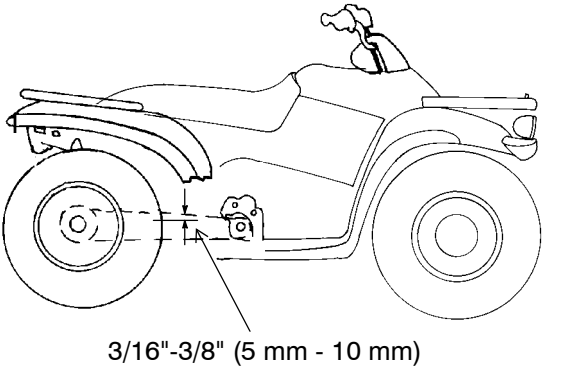
Regularly lubricate the drive chain with Polaris Chain Lube, an SAE 80-90 lube or an approved o-ring chain spray lube. See page 109 for the part numbers of Polaris products.

NOTICE: Washing the drive chain with a high pressure washer or gasoline can cause damage to the o-rings, causing premature wear and drive chain failure. Do not use a high pressure washer or gasoline to clean the drive chain.

MAINTENANCE
Drive Chain
Rear Drive Chain Slack

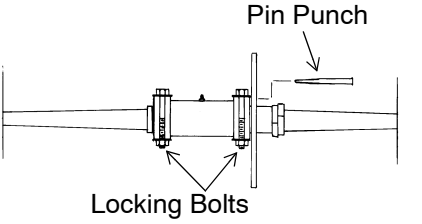
Check the amount of chain slack in three different locations by moving the vehicle slightly forward to gain slack at the top side of the rear chain. Measure the chain slack at the tightest of the three positions. At this point the chain should have 3/16"-3/8" (5 mm - 10 mm) deflection.

NOTICE: Adjusting or operating the ATV with improper rear drive chain slack can result in severe damage to the transmission and drive components. Always make sure the slack is within the stated specifications.



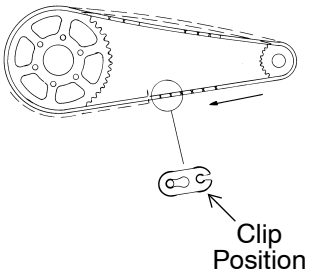
Use the following procedure if adjustment is required.

1. Remove the chain guard.
2. Loosen the chain guide.
3. Loosen the two eccentric locking bolts.
4. Loosen the caliper mounting bolt located on the left side of the swing arm.
5. Insert a pin punch through the sprocket hub and into the eccentric housing.



Drive Chain

Rear Drive Chain Slack



6. Roll the ATV forward or backward to adjust the chain slack to the proper tension. See the illustration for proper splice link clip opening position.
7. Tighten the eccentric locking bolts to 30 ft. lbs. (41 Nm) for machines without the hitch and 45 ft. lbs. (61 Nm) for machines with a hitch.
8. Tighten the caliper mount bolt to 15 ft. lbs. (20 Nm)
9. Remove the pin punch.
10. Roll the ATV forward, checking chain tension in several places around the chain.

Tip: The chain is adjusted correctly when the tightest portion of the chain has approximately 3/8" (10mm) deflection.

11. Position the chain guide to allow 1/8" (3 mm) clearance and tighten the retaining bolt to 5 ft. lbs. (7 Nm).
12. Reinstall the chain guard.

MAINTENANCE
Cooling System

The engine coolant level is controlled, or maintained, by the recovery system. The recovery system components are the recovery bottle, the radiator filler neck, the radiator pressure cap and the connecting hose.

As coolant operating temperature increases, the expanding (heated) excess coolant is forced out of the radiator, past the pressure cap, and into the recovery bottle. As engine coolant temperature decreases, the contracting (cooled) coolant is drawn back up from the bottle, past the pressure cap, and into the radiator.

Some coolant level drop on new vehicles is normal as the system is purging itself of trapped air. Check the coolant level and maintain as recommended by adding coolant to the recovery bottle.

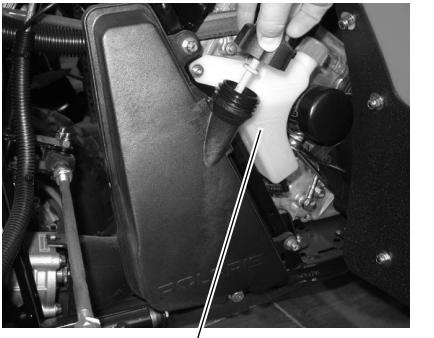
Polaris recommends the use of Polaris Premium 60/40 anti-freeze/coolant or a 50/50 mixture of high quality aluminum compatible anti-freeze/coolant and distilled water. Polaris Premium 60/40 is already premixed and ready to use. Do not dilute with water. See page 109 for the part numbers of Polaris products.

Always follow the manufacturer's mixing recommendations for the freeze protection required in your area.

Recovery Bottle Coolant

The recovery bottle is located on the left side of the vehicle.

1. Maintain the coolant level between the minimum and maximum marks on the bottle (when the fluid is cool).
2. Add coolant as needed.



Cooling System

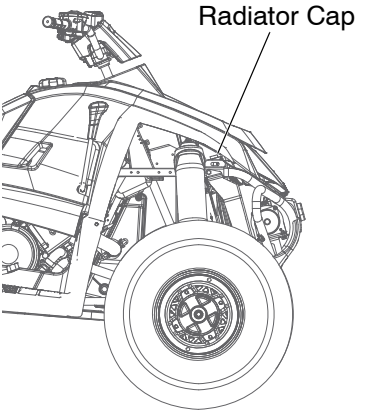
Radiator Coolant

To ensure that the coolant maintains its ability to protect the engine, Polaris recommends that you drain the system completely every two years and add a fresh mixture of antifreeze and water.

Replace the coolant any time the cooling system has been drained for maintenance or repair. If the recovery bottle has run dry, check the level in the radiator. Add coolant as needed.

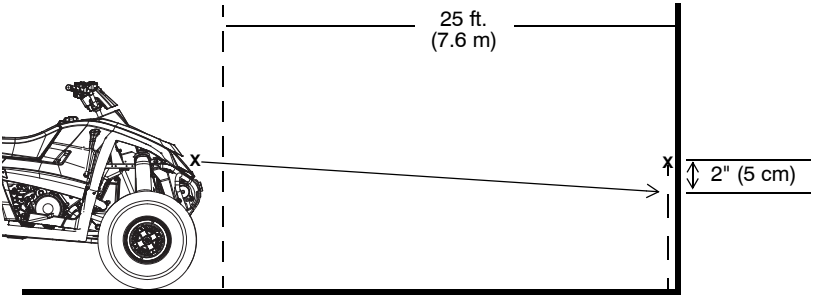
CAUTION! Escaping steam can cause burns. Never remove the pressure cap while the engine is warm or hot. Always allow the engine to cool before removing the pressure cap.

1. Remove the front panel to access the radiator pressure cap.
2. Remove the pressure cap.
3. If coolant is low, use a funnel and slowly add coolant through the radiator filler neck.
4. Reinstall the pressure cap. Use of a non-standard pressure cap will not allow the recovery system to function properly. Contact your dealer for the correct replacement part.
5. Secure the front panel.
6. Fill the coolant recovery bottle to the upper mark on the bottle.
7. Check the coolant level in the bottle frequently, adding coolant as needed until the level stabilizes.



MAINTENANCE
Lights
Headlight Beam Adjustment

The headlight beam can be adjusted slightly upward or downward. Use the following procedure to make the adjustment.



1. Position the vehicle on a level surface with the headlight approximately 25 ft. (7.6 m) from a wall.
2. Place the transmission in neutral.
3. Lock the parking brake.
4. Measure the distance from the floor to the center of the headlight and make a mark on the wall at the same height. Include rider weight on the seat when measuring.
5. Start the engine. Turn the headlight on.
6. Observe the headlight aim on the wall. The most intense part of the headlight beam should be two inches (5 cm) below the mark on the wall.
7. Loosen the pivot bolt and adjust the beam to the desired position.
8. Tighten the bolt and torque to 60 in. lbs. (7 Nm).

Lights

Poor lighting can result in reduced visibility when driving. Headlight and taillight lenses become dirty during normal operation. Clean lights frequently and replace burned out lamps promptly. Always make sure lights are adjusted properly for best visibility.

Headlamp Replacement

When servicing a halogen lamp, don't touch the lamp with bare fingers. Oil from your skin leaves a residue, causing a hot spot that will shorten the life of the lamp.

1. Remove the wire harness connector from the back of the headlight.

CAUTION! Hot components can cause burns to skin. Allow lamps to cool before servicing.

2. Grasp the bulb housing and turn it counterclockwise to remove the bulb.
3. Apply dielectric grease to the light bulb socket before installing the new bulb. Install the replacement bulb into the headlight housing and rotate clockwise firmly.

Tip: The bulb must be positioned so the harness installs into the lamp at the bottom.

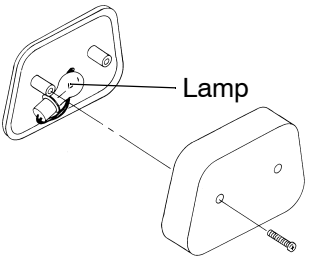
4. Reinstall the connector to the back of the headlight.

MAINTENANCE

Lights

Taillight/Brakelight Lamp Replacement

1. Remove the taillight lens cover mounting screws. Remove the lens cover and gasket and set aside for reassembly.
2. Remove the lamp.
3. Apply dielectric grease to the socket and install the new lamp.
4. Test the taillight/brake light for proper operation.
5. Reinstall the gasket and lens cover.



Indicator Lamp Replacement

1. Remove the instrument panel, if necessary, to access the back of the indicator panel.
2. Using a small, straight-blade screwdriver, turn the base of the bulb 1/4 turn counterclockwise.
3. Using a needle-nose pliers or similar tool, pull the lamp out of the indicator panel housing.
4. Insert the new bulb and seat it by turning it 1/4 turn clockwise.
5. Reinstall the instrument panel if removed.

Spark Plugs

Spark Plug Recommendations

Refer to the specifications section beginning on page 114 for the recommended spark plug type and gap for your vehicle. Torque spark plugs to specification.

NOTICE: Using non-recommended spark plugs can result in serious engine damage. Always use Polaris-recommended spark plugs.

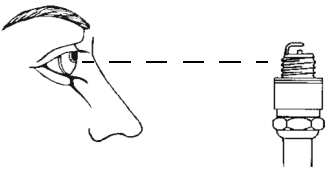
Plug Condition	Torque Specification
New Spark Plug	9-11 ft. lbs. (12-15 Nm)
Previously Installed Spark Plug	17-20 ft. lbs. (23-27 Nm)

Spark Plug Inspection

Spark plug condition is indicative of engine operation. Check the spark plug firing end condition after the engine has been warmed up and the vehicle has been driven at higher speeds. Immediately check the spark plug for correct color. See page 90.

CAUTION! A hot exhaust system and engine can cause burns. Wear protective gloves when removing a spark plug for inspection.

1. Rotate the spark plug cap.
2. Using the special wrench provided in the tool pouch, rotate the spark plug counterclockwise to remove it.
3. Inspect the electrodes for wear and carbon buildup. Replace worn or fouled plugs. Verify that the gap is at specification before installation.
4. Reverse the procedure for spark plug installation. Torque to specification.



MAINTENANCE
Spark Plugs
Spark Plug Condition
Normal Spark Plug

The normal insulator tip is gray, tan or light brown. There will be few combustion deposits. The electrodes are not burned or eroded. This indicates the proper type and heat range for the engine and the service.

The tip should not be flaky and white. A white insulator tip indicates overheating, caused by use of an improper spark plug or incorrect carburetion adjustments.

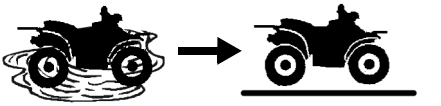
Wet Fouled Spark Plug

The wet fouled insulator tip is black. A damp oil film covers the firing end. There may be a carbon layer over the entire nose. Generally, the electrodes are not worn. General causes of fouling are excessive oil, use of non-recommended oil, improper use of the choke, or incorrect throttle body/carburetor adjustments.

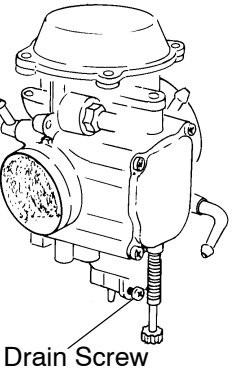
Vehicle Immersion

If your vehicle becomes immersed, major engine damage can result if the machine is not thoroughly inspected. Take the vehicle to your dealer before starting the engine.

If it's impossible to take your ATV to a dealer before starting it, follow the steps outlined below.



1. Move the vehicle out of the water.
2. Turn the fuel valve off.
3. Check the air box. If water is present, dry the air box and replace the filter with a new filter.
4. Remove the spark plug.
5. Loosen the carburetor drain screw and drain the carburetor.
6. Turn the engine over several times using the electric start.
7. Dry the spark plug. Reinstall the plug or install a new plug.
8. Tighten the carburetor drain screw.
9. Turn the fuel valve on.
10. Attempt to start the engine. If necessary, repeat the drying procedure.



11. Take the ATV to your dealer for service as soon as possible, whether you succeed in starting it or not.
12. If water has been ingested into the PVT, follow the procedure on page 95 for drying out the PVT.

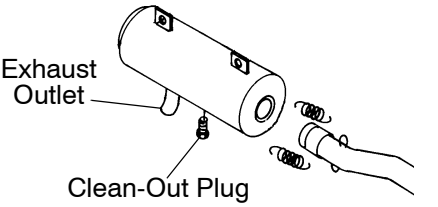
MAINTENANCE
Spark Arrestor

⚠ WARNING

Failure to heed the following warnings while servicing the spark arrestor could result in serious injury or death. Never run the engine in an enclosed area. Remove any combustible materials from the area. Wear eye protection and leather work gloves. Do not stand behind or in front of the vehicle while purging. Never go under the vehicle while it's inclined.

The exhaust system can get extremely hot. Do not perform service on the spark arrestor while the system is hot. Allow components to cool sufficiently before proceeding.

Use the following procedure to periodically purge accumulated carbon from the exhaust pipe/muffler.



1. Position the vehicle on a level surface.
2. Place the transmission in neutral.
3. Lock the parking brake.
4. Remove the arrestor clean-out plug from the bottom of the muffler.
5. Start the engine.
6. Quickly squeeze and release the throttle lever several times to purge carbon from the system.
7. If carbon comes out of the exhaust, cover or plug the exhaust outlet. Wear protective gloves.
8. Lightly tap on the exhaust pipe with a rubber mallet while repeating step 6.
9. If particles are still suspected to be in the muffler, elevate the rear of the vehicle one foot (30 cm) higher than the front. Block the wheels.
10. Repeat steps 6 to 8 until no more particles are expelled.
11. Stop the engine. Allow the arrestor to cool.
12. Reinstall the arrestor plug and remove the exhaust outlet cover or plug.

PVT System

⚠ WARNING

Failure to comply with the instructions in this warning can result in severe injury or death.

Do not modify any component of the PVT system. Doing so may reduce its strength so that a failure may occur at a high speed. The PVT system has been precision balanced. Any modification will cause the system to be out of balance, creating vibration and additional loads on components.

The PVT system rotates at high speeds, creating large amounts of force on clutch components. Extensive engineering and testing has been conducted to ensure the safety of this product. However, as the owner, you have the following responsibilities to make sure this system remains safe:

- Always follow all recommended maintenance procedures. See your dealer as outlined in the owner's manual.
- This PVT system is intended for use on Polaris products only. Do not install it in any other product.
- Always make sure the PVT housing is securely in place during operation.

MAINTENANCE
PVT System

The basic operation of the Polaris PVT system is dependent on engine speed and vehicle torque requirements. As engine speed increases, the force exerted on the movable drive sheave by the flyweights also increases. This, in turn, increases the amount of pinch applied to the drive belt. Similarly, if the engine speed decreases, the amount of centrifugal force decreases, reducing the amount of belt pinch. This begins to occur at speeds of less than 5 MPH (8 km/h), due to the system's dependence on engine speed.

For example, when operating at a ground speed of 3 MPH (5 km/h), the engine would be running at only about 1500 RPM, with an engagement speed of about 1400 RPM. Whenever operating this close to the engagement speed, the engine may be running at a speed too low to provide the pinch needed to prevent belt slip. Belt slip is responsible for creating the excessive heat that destroys belts, wears clutch components and causes outer clutch covers to fail.

If the ATV will be operated for extended periods below 5 MPH (8 km/h), or for towing loads, we recommend that you install a one tooth smaller counter shaft sprocket to raise the operating RPM far enough above the engagement RPM to reduce heat caused by incomplete engagement. Reducing the temperature inside the clutch cover greatly extends the life of the PVT components (belt, cover, etc.).

Tip: Avoid heavy pulling and extended low-speed operation.

PVT System

PVT Drying

There may be some instances when water is accidently ingested into the PVT system. Use the following instructions to dry it out before operating.

1. Move the vehicle out of the water.
2. Remove the PVT drain plug. Allow the water to drain completely. Reinstall the drain plug.
3. Start the engine. Place the transmission in neutral.
4. Apply varying throttle for 10-15 seconds to expel the moisture and air-dry the belt and clutches. *Do not hold the throttle wide open for more than 10 seconds.*
5. Allow the engine RPM to settle to idle speed, then shift the transmission into forward gear.
6. Test for belt slippage. If the belt slips, repeat the process.
7. Take the vehicle to your dealer for service as soon as possible.

MAINTENANCE
Battery

⚠ WARNING

Improperly connecting or disconnecting battery cables can result in an explosion and cause serious injury or death. When removing the battery, always disconnect the negative (black) cable first. When reinstalling the battery, always connect the negative (black) cable last.

⚠ WARNING

Battery electrolyte is poisonous. It contains sulfuric acid. Serious burns can result from contact with skin, eyes or clothing.

Antidote:

External: Flush with water.

Internal: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

Eyes: Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes, etc. away. Ventilate when charging or using in an enclosed space. Always shield eyes when working near batteries. KEEP OUT OF REACH OF CHILDREN.

Your ATV may have either a sealed battery, which requires little maintenance, or a conventional battery. A sealed battery can be identified by its flat covers on the top of the battery. A conventional battery has six filler caps on the top of the battery.

Always keep battery terminals and connections free of corrosion. If cleaning is necessary, remove corrosion with a stiff wire brush. Wash with a solution of one tablespoon baking soda and one cup water. Rinse well with tap water and dry off with clean shop towels. Coat the terminals with dielectric grease or petroleum jelly. Be careful not to allow cleaning solution or tap water into a conventional battery.

Battery

Battery Removal

1. Place the transmission in gear.
2. Lock the parking brake.
3. Remove the seat.
4. Disconnect the battery hold-down strap.
5. Remove the battery cover (if equipped).
6. On conventional batteries, remove the battery vent tube.
7. Disconnect the black (negative) battery cable first.
8. Disconnect the red (positive) battery cable last.
9. Lift the battery out of the ATV. Be careful not to tip a conventional battery sideways, which could spill electrolyte.

NOTICE: If electrolyte spills, immediately wash it off with a solution of one tablespoon baking soda and one cup water to prevent damage to the vehicle.

MAINTENANCE
Battery
Battery Installation

Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder vehicle performance. Follow the battery charging instructions on page 100 before installing the battery.

1. Ensure that the battery is fully charged.
2. Place the battery in the battery holder.
3. With conventional batteries, install the battery vent tube (sealed batteries do not have a vent tube). The vent tube must be free of obstructions and securely installed. Route the tube away from the frame and vehicle body to prevent contact with electrolyte.

WARNING! Battery gases could accumulate in an improperly installed vent tube and cause an explosion, resulting in serious injury or death. Always ensure that the vent tube is free of obstructions and is securely installed as recommended.

4. On conventional batteries, coat the terminals with dielectric grease or petroleum jelly.
5. Connect and tighten the red (positive) cable first.
6. Connect and tighten the black (negative) cable last.
7. Install the battery cover (if equipped).
8. Secure the battery hold-down strap.
9. Verify that cables are properly routed. Cables should be safely tucked away at the front and rear of the battery.
10. Reinstall the seat.

Battery

Battery Storage

Whenever the vehicle is not used for a period of three months or more, remove the battery from the vehicle, ensure that it's fully charged, and store it out of the sun in a cool, dry place. Check battery voltage each month during storage and recharge as needed to maintain a full charge.

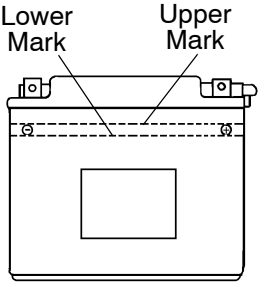
Tip: Power plug leads may need to be bent down so that the battery cover can be installed.

Polaris recommends maintaining battery charge by using a Polaris Battery Tender charger or by charging about once a month to make up for normal self-discharge. Battery Tender can be left connected during the storage period, and will automatically charge the battery if the voltage drops below a pre-determined point. See page 109 for the part numbers of Polaris products.

Battery Fluid (Conventional Battery)

A poorly maintained battery will deteriorate rapidly. Check the battery fluid level often. Maintain the fluid level between the upper and lower level marks.

Add only distilled water. Tap water contains minerals that are harmful to a battery.



MAINTENANCE
Battery
Battery Charging (Conventional Battery)

1. Remove the battery from the vehicle to prevent damage from leaking or spilled electrolyte during charging. See page 97.
2. Charge the battery with a charging output no larger than 1/10 of the battery's amp/hr rating. Charge as needed to raise the specific gravity to 1.270 or greater.
3. Reinstall the battery. See page 98. Make sure the positive terminal is toward the front of the vehicle.

Battery Charging (Sealed Battery)

The following battery charging instructions apply only to the installation of a sealed battery. Read all instructions before proceeding with the installation of this battery.

The sealed battery is already filled with electrolyte and has been sealed and *fully charged* at the factory. *Never* pry the sealing strip off or add any other fluid to this battery.

The single most important thing about maintaining a sealed battery is to keep it fully charged. Since the battery is sealed and the sealing strip cannot be removed, you must use a voltmeter or multimeter to measure DC voltage.

WARNING! An overheated battery may explode, causing severe injury or death. Always watch charging times carefully. Stop charging if the battery becomes very warm to the touch. Allow it to cool before resuming charging.

For a refresh charge, follow all instructions carefully.

1. Check the battery voltage with a voltmeter or multimeter. A fully charged battery will register 12.8 V or higher.
2. If the voltage is less than 12.8 volts, recharge the battery at 1.2 amps or less until battery voltage is 12.8 or greater.
3. When using an automatic charger, refer to the charger manufacturer's instructions for recharging. When using a constant current charger, use the following guidelines for recharging.

Battery

Battery Charging (Sealed Battery)

Always verify battery condition before and 1-2 hours after the end of charging.

State of Charge	Voltage	Action	Charge Time (Using constant current charger @ standard amps specified on top of battery)
100%	12.8-13.0 volts	None, check at 3 mos. from date of manufacture	None required
75%-100%	12.5-12.8 volts	May need slight charge, if no charge given, check in 3 months	3-6 hours
50%-75%	12.0-12.5 volts	Needs charge	5-11 hours
25%-50%	11.5-12.0 volts	Needs charge	At least 13 hours, verify state of charge
0%-25%	11.5 volts or less	Needs charge with desulfating charger	At least 20 hours

MAINTENANCE
Cleaning and Storage
Washing the Vehicle

Keeping your Polaris vehicle clean will not only improve its appearance but it can also extend the life of various components.

NOTICE: High water pressure may damage components. Polaris recommends washing the vehicle by hand or with a garden hose, using mild soap.

Certain products, including insect repellents and chemicals, will damage plastic surfaces. Do not allow these types of products to contact the vehicle.

The best and safest way to clean your Polaris vehicle is with a garden hose and a pail of mild soap and water.

1. Use a professional-type washing cloth, cleaning the upper body first and the lower parts last.
2. Rinse with clean water frequently.
3. Dry surfaces with a chamois to prevent water spots.

Washing Tips

- Avoid the use of harsh cleaners, which can scratch the finish.
- Do not use a power washer to clean the vehicle.
- Do not use medium to heavy duty compounds on the finish.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

Cleaning and Storage

Washing the Vehicle

If a high pressure water system is used for cleaning (not recommended), exercise extreme caution. The water may damage components and could remove paint and decals. Avoid directing the water stream at the following items:

- Wheel bearings
- Radiator
- Transmission seals
- Brakes
- Electrical components/wiring
- Switches and controls
- Cab and body panels
- Labels and decals

If an informational or graphic label becomes illegible or comes off, contact your Polaris dealer to purchase a replacement. Replacement *safety* labels are provided by Polaris at no charge.

Grease all zerk fittings immediately after washing. Allow the engine to run for a while to evaporate any water that may have entered the engine or exhaust system.

Polishing the Vehicle

Polaris recommends the use of common household aerosol furniture polish for polishing the finish on your Polaris vehicle. Follow the instructions on the container.

Polishing Tips

- Avoid the use of automotive products, some of which can scratch the finish of your vehicle.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

MAINTENANCE
Cleaning and Storage
Chrome Wheel Care (if equipped)

Proper maintenance will protect chrome wheels from corrosion, preserve wheel life and ensure a “like new” appearance for many years. Chrome wheels exposed to road salt (or salt in the air in coastal areas) are more susceptible to corrosion if not properly cleaned. Clean chrome wheels more often if they're exposed to salt or other corrosive elements.

1. Wash chrome wheels frequently. Use a mild detergent. Never use abrasive cleaners on plated or painted surfaces.
2. Rinse well with clear water. Soap, detergents, salt, dirt, mud and other elements can cause corrosion.
3. Polish the clean chrome wheels periodically. Use an automotive grade chrome polish.
4. Routinely and liberally apply a weather resistant wax to each polished chrome wheel. Choose a product suitable for chrome finishes. Read and follow the product labels and instructions.

Removing Corrosion

If light rust is found on the chrome finish, use steel wool (#0000-OTT grade) to remove it. Gently rub the affected areas with the steel wool until the corrosion has been removed. Clean and polish the wheel as outlined above.

Cleaning and Storage

Storage Tips

NOTICE: Starting the engine during the storage period will disturb the protective film created by fogging and damage could occur. Never start the engine during the storage period.

Clean the Exterior

Make any necessary repairs and clean the vehicle as recommended. See page 102.

Stabilize the Fuel

1. Fill the fuel tank.
2. Add Polaris Carbon Clean Fuel Treatment or Polaris Fuel Stabilizer. Follow the instructions on the container for the recommended amount. Carbon Clean removes water from fuel systems, stabilizes fuel and removes carbon deposits from pistons, rings, valves and exhaust systems.
3. Allow the engine to run for 15-20 minutes to allow the stabilizer to disperse through the fuel in the tank and carburetor.
4. Turn the fuel valve off.
5. Drain the carburetor bowl.

Oil and Filter

Change the oil and filter. See page 65.

Air Filter / Air Box

1. Inspect and clean (or replace) the pre-cleaner and air filter.
2. Clean the air box.
3. Clean or replace the breather filter.
4. Drain the sediment tube.

MAINTENANCE
Cleaning and Storage
Storage Tips
Fluid Levels

Inspect the fluid levels. Change fluids as recommended in the Periodic Maintenance Chart beginning on page 57.

- Demand drive unit (front gearcase)
- Transmission
- Brake fluid (change every two years and any time the fluid looks dark or contaminated)
- Coolant (test strength/fill)

Fog the Engine

1. Treat the fuel system with Polaris Carbon Clean. See page 105.
2. Support the front end of the machine so the engine is level or tilted slightly rearward.
3. Remove the spark plug. Pour 2-3 tablespoons (30-40 ml) of engine oil into the hole.

Tip: Use a section of small hose and a small plastic squeeze bottle filled with the pre-measured amount of oil.

4. Reinstall the spark plug. Torque to specification.
5. Apply dielectric grease to the inside of the spark plug cap. Reinstall the cap.
6. Turn the engine over several times using the electric start. Oil will be forced in and around the piston rings and ring lands, coating the cylinder with a protective film of fresh oil.
7. If Polaris fuel system additive is not used, the fuel tank, fuel lines, and carburetor should be completely drained of gasoline.
8. To eliminate any fuel remaining in the carburetor, run the engine until it stops.

Cleaning and Storage

Storage Tips

Inspect and Lubricate

Inspect all cables and lubricate all areas of the vehicle as recommended in the Periodic Maintenance Chart beginning on page 57.

Battery Storage

See pages 99-100 for storage and charging procedures.

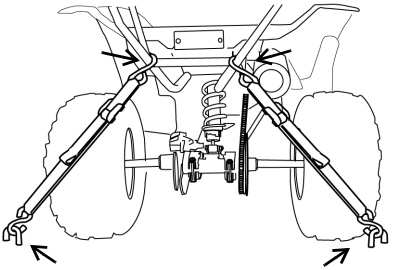
Storage Area/Covers

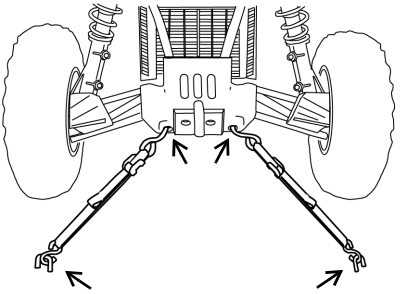
Set the tire pressure and safely support the ATV with the tires slightly off the ground. Be sure the storage area is well ventilated. Cover the vehicle with a genuine Polaris cover. Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

MAINTENANCE
Transporting the Vehicle

Follow these procedures when transporting the vehicle.

1. Stop the engine.
2. Place the transmission in gear.
3. Lock the parking brake.
4. Turn the fuel valve off.
5. Secure the fuel cap, oil cap and seat.
6. Remove the key to prevent loss during transporting.
7. Always tie the frame of the ATV to the transporting unit securely with suitable straps or rope. Do not attach tie straps to the front A-arm bolt pockets, racks or handlebars.





POLARIS PRODUCTS

Part Number	Description
	Engine Lubricant
2870791	Fogging Oil (12 oz. Aerosol)
2876244	PS-4 PLUS Performance Synthetic 2W-50 4-Cycle Oil (qt./.95 l)
2876245	PS-4 PLUS Performance Synthetic 2W-50 4-Cycle Oil (gal./3.8 l)
	Gearcase / Transmission Lubricants
2873602	Premium AGL Synthetic Gearcase Lubricant (qt./.95 l)
2873603	Premium AGL Synthetic Gearcase Lube (gal./3.8 l)
2871653	Premium ATV Angle Drive Fluid (8 oz./237 ml)
2872276	Premium ATV Angle Drive Fluid (2.5 gal./9.5 l)
2870465	Pump for Gallon (3.8 l) Jug
2876251	Demand Drive LT Premium Fluid (8 oz./237 ml)
	Coolant
2871323	60/40 Coolant (gal./3.8 l)
2871534	60/40 Coolant (qt./.95 l)
	Grease / Specialized Lubricants
2871312	Grease Gun Kit, Premium All Season
2871322	Premium All Season Grease (3 oz./89 ml cartridge)
2871423	Premium All Season Grease (14 oz./414 ml cartridge)
2871460	Starter Drive Grease
2871515	Premium U-Joint Lube (3 oz./89 ml cartridge)
2871551	Premium U-Joint Lube (14 oz./414 ml cartridge)
2871329	Dielectric Grease (Nyogel™)
2872073	Chain Lube, Aerosol (6.25 oz./185 ml)
2872348	Chain Lube, Aerosol (16 oz./473 ml)
	Additives / Miscellaneous
2871326	Carbon Clean Plus
2870652	Fuel Stabilizer
2872189	DOT 4 Brake Fluid
2871956	Loctite™ 565 Thread Sealant
2859044	Polaris Battery Tender™ Charger

TROUBLESHOOTING

Drive Belt Wear/Burn

Possible Cause	Solution
Starting out going up a steep incline	Use low range (if equipped) or turn around using the K-turn (see page 49).
Driving at low RPM or ground speed (3-7 MPH)	Drive at a higher speed or use low range (if equipped) more frequently.
Insufficient warm-up at low ambient temperatures	Warm the engine at least 5 minutes. With the transmission in neutral, advance the throttle to about 1/8 throttle in short bursts, 5 to 7 times. The belt will become more flexible and prevent belt burning.
Slow/easy clutch engagement	Use the throttle quickly and effectively.
Towing/pushing at low RPM/low ground speed	Use low range only (if equipped).
Utility use/plowing	Use low range only (if equipped).
Stuck in mud or snow	Shift the transmission to low range (if equipped). Carefully use fast, aggressive throttle application to engage clutch. **WARNING!** Excessive throttle may cause loss of control and vehicle overturn.
Climbing over large objects from a stopped position	
Belt slippage from water or snow ingestion into the PVT system	Dry out the PVT. See page 95. Inspect clutch seals for damage if repeated leaking occurs.
Clutch malfunction	See your Polaris dealer.
Poor engine performance	Check for fouled plugs or foreign material in gas tank, fuel lines or carburetor. See your dealer.
Slippage from failure to warm up belt	Always warm up the belt by operating below 30 mph (48 km/h) for one mile (1.6 km). Operate 5 miles (8 km) or more when temperature is below freezing.
Wrong or missing belt	Install the recommended belt.
Improper break-in	Always break in a new belt and/or clutch. See page 37.

Engine Doesn't Turn Over

Possible Cause	Solution
Tripped circuit breaker	Reset the breaker
Low battery voltage	Recharge the battery to 12.8 VDC
Loose battery connections	Check all connections and tighten
Loose solenoid connections	Check all connections and tighten

Engine Turns Over, Fails to Start

Possible Cause	Solution
Out of fuel	Turn fuel valve to reserve, refuel
Clogged fuel valve or filter	Inspect and clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fuel valve is turned off	Turn the fuel valve on
Old or non-recommended fuel	Replace with fresh recommended fuel
Fouled or defective spark plug(s)	Inspect plugs and replace if necessary
No spark to spark plug	Inspect plugs, verify stop switch is on
Overuse of choke	Inspect, clean and/or replace spark plugs
Clogged fuel filter	Replace the filter
Water or fuel in crankcase	Immediately see your Polaris dealer
Low battery voltage	Recharge the battery to 12.8 VDC
Mechanical failure	See your dealer

Engine Backfires

Possible Cause	Solution
Weak spark from spark plug	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with fresh recommended fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer
Exhaust leaks	Replace exhaust seals

TROUBLESHOOTING

Engine Pings or Knocks

Possible Cause	Solution
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Idle set too low	Adjust idle speed

Engine Runs Irregularly, Stalls or Misfires

Possible Cause	Solution
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.8 VDC
Kinked or plugged fuel tank vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer
Possible Lean Fuel Cause	**Solution**
Low or contaminated fuel	Add or change fuel, clean the fuel system
Low octane fuel	Replace with recommended fuel
Clogged fuel filter	Replace filter
Incorrect jetting	See your dealer
Possible Rich Fuel Cause	**Solution**
Overuse of choke	Inspect, clean and/or replace spark plugs
Fuel is very high octane	Replace with lower octane fuel
Incorrect jetting	See your dealer

Engine Stops or Loses Power

Possible Cause	Solution
Out of fuel	Turn fuel valve to reserve, refuel
Kinked or plugged fuel vent line	Inspect and replace
Water is present in fuel	Replace with new fuel
Overuse of choke	Inspect, clean and/or replace spark plugs
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge the battery to 12.8 VDC
Incorrect fuel	Replace with fresh recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer
Overheated engine	Clean radiator screen and core if equipped Clean engine exterior See your Polaris dealer

SPECIFICATIONS

Scrambler 500 4X4	
Maximum Weight Capacity	275 lbs. (125 kg) (includes weight of operator, cargo and accessories)
Dry Weight	566 lbs. (257 kg)
Fuel Capacity	4 gal. (15.1 l)
Engine Oil Capacity	2 qts. (1.9 l)
Transmission Oil	32 oz. (946 ml)
Demand Drive Fluid Capacity	9 oz. (265 ml)
Coolant	2.25 qts. (2.13 l)
Rear Rack Capacity (Accessory)	60 lbs. (27.2 kg) (Maximum)
Hitch Tongue Weight Capacity	85 lbs. (38.6 kg) (Rear rack capacity and tongue weight not to exceed 60 lbs./27.2 kg)
Hitch Towing Rating	850 lbs. (385.6 kg)
Unbraked Trailer Towing Capacity*	1210 lbs. (549 kg)
Overall Length	75 in. (190.5 cm)
Overall Width	45 in. (114 cm)
Overall Height	49 in. (124.5 cm)
Wheelbase	48.5 in. (123 cm)
Ground Clearance	4.75 in. (12 cm)
Minimum Turning Radius	65 in. (165 cm) unloaded
Engine Model Number/Type	EH50PLE-129 / 4 Cycle, Single Cylinder
Lubrication	Dry sump
Engine Cooling	Liquid
Displacement	498 cc
Bore x Stroke	92 x 75
Alternator Output	250w @5000 rpm
Compression Ratio	10.2:1
Carburetor	BST 40
Pilot Jet	37.5
Main Jet	155
Needle Jet	X-6M
Jet Needle	6MGHI194-4
Pilot Air Jet	1.3
Pilot Screw	3 turns
Ignition System	CDI
Ignition Timing	30° +/- 2° @ 5000 RPM
Idle RPM	1350
Spark Plug / Gap	BKR6E / .036 in. (.9 mm)

* Based on EU Directive 76/432/EC

Scrambler 500 4X4	
Driving System Type	Automatic PVT (Polaris Variable Transmission)
Shift Type	Side Lever (F/N/R)
Gear Reduction, Reverse	4.74:1
Gear Reduction, Forward	3.06:1
Drive Ratio, Front	3.818:1
Drive Ratio, Final	2.77:1
Drive Chain	520 O-Ring
Tires/Pressure, Front	23 x 7-10 (4 psi/27.6 kPa)
Tires/Pressure, Rear	22 x 11-10 (3 psi/20.7 kPa)
Front Suspension	MacPherson strut with 8.2" (21 cm) travel
Rear Suspension	Progressive rate with 10.5" (26.7 cm) travel
Shock Adjustment	CAM
Brakes, Front and Rear	Single-Control Hydraulic Disc
Brake, Auxiliary	Foot-Activated Hydraulic Disc, Rear Wheel
Brake, Parking	Hydraulic lock, all wheel
Headlight	Single Beam 60w
Taillights	12V 8.26W
Brake Light	12V 26.9W
Battery	12V 14AH
Indicators	High Temp/Neutral/Reverse

Jetting Chart

ALTITUDE Meters (Feet)	AMBIENT TEMPERATURE	
	Below 40° F (Below 5° C)	40°F and above (5°C and above)
0-1800 (0-6000)	160	155
1800-3700 (6000-12000)	152.5	147.5

Clutching Chart

Altitude Meters (Feet)	Shift Weight	Drive Clutch Spring	Driven Clutch Spring	Helix/Spring/ Setting
0-1800 (0-6000)	25-52 5632409	Blue/Green 7041157	Black 7041782	40° 5131446 2+2
1800 & above (6000 & above)	25-48 5632408	Blue/Green 7041157	Black 7041782	40° 5131446 2+2

DECLARATION OF CONFORMITY

Polaris Industries Inc.,
2100 Hwy 55, Medina, MN 55340 U.S.A.
Telephone 763-542-0500

We, Polaris Industries Inc., declare that the vehicles listed below conform to the essential health and safety requirements applicable to off-road all-terrain vehicles.

APPLICABLE EUROPEAN DIRECTIVES	TEST / EVALUATION METHODS	
98/37/EC as amended (Machinery Directive)	EN 1050 hazard analysis CD 77/311/EEC driver-perceived noise level	
2004/108/EC as amended (EMC Directive)	CISPR 12:2001 CAN/CSA-C108.4-M92	EN 55012:2002 EN 61000-6-2:2001

PRODUCT IDENTIFICATION

VEHICLE SERIES	TRADE NAME	MODEL YEARS	SOUND PRESSURE dB (A)
___KA05__	OUTLAW 50	2008, 2009, 2010	76.8
___KA09__	OUTLAW 90	2008, 2009, 2010	76.8
___FA09__	SPORTSMAN 90	2008, 2009, 2010	76.8
___VA17__	RZR 170	2009, 2010	81.3
___PB20__	PHOENIX 200	2008, 2009, 2010	76.8
___BA32__	TRAIL BLAZER 330	2008, 2009, 2010	76.8
___CA32__	TRAIL BOSS 330	2008, 2009, 2010	76.8
___BA50__	SCRAMBLER 500	2008, 2009, 2010	79.6
___GJ45__	OUTLAW 450	2008, 2009, 2010	80.7
___GJ52__, ___GP52__	OUTLAW 525	2008, 2009, 2010	80.7
___LH27__	SPORTSMAN 300	2008, 2009, 2010	81.1
___LH46__	SPORTSMAN 400	2008, 2009, 2010	80.2
___MN50__	SPORTSMAN 500 EFI	2008, 2009, 2010	80.4
___ZN55__ ___ZX55__	SPORTSMAN 550 EFI	2009, 2010	80.8
___TN55__, ___DN55__	SPORTSMAN X2/TOURING 550	2010	77.2
___MN76__	SPORTSMAN 800	2008, 2009, 2010	83.6
___TN85__, ___DN85__	SPORTSMAN X2/TOURING 850	2010	77.2
___CL76__	SPORTSMAN 800 6X6	2009, 2010	80.1
___ZN85__, ___ZX85__	SPORTSMAN 850 EFI	2009, 2010	80.4
___RH50__, ___HH50__	RANGER 500 EFI 4X4	2009, 2010	76.5
___HH76__	RANGER 800 EFI 4X4	2010	76.5
___WH76__	RANGER 800 EFI CREW	2010	76.5
___HR__	RANGER 800 6X6	2010	76.5
___HY__	RANGER HD 800 4X4	2010	76.5
___VH76__	RANGER RZR	2008, 2009, 2010	85.8

Authorized Signatory:

Alexander A. Kennedy

Alexander A. Kennedy, Product Compliance
Polaris Industries Inc., Engineering Operations
301 5th Avenue SW, Roseau, MN 56751

LIMITED WARRANTY

Polaris Sales Inc., 2100 Highway 55, Medina, MN 55340, gives a SIX MONTH LIMITED WARRANTY on all components of the Polaris All Terrain Vehicle (ATV) against defects in material or workmanship. Polaris also gives a one year limited warranty on the final drive chain for failure due to defects. This warranty covers the parts and labor charges for repair or replacement of defective parts which are covered by this warranty. This warranty begins on the date of purchase. This warranty is transferable to another consumer during the warranty period through a Polaris dealer.

REGISTRATION

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted to Polaris within ten days. Upon receipt of this registration, Polaris will record the registration for warranty. No verification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be the warranty entitlement. If you have not signed the original registration and received the customer copy, please contact your dealer immediately. NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR ATV IS REGISTERED WITH POLARIS.

Initial dealer preparation and set-up of your ATV is very important in ensuring trouble-free operation. Purchasing a machine in the crate or without proper dealer set-up will void your warranty coverage.

WARRANTY

WARRANTY COVERAGE AND EXCLUSIONS: LIMITATIONS OF WARRANTIES AND REMEDIES

The Polaris limited warranty excludes any failures that are not caused by a defect in material or workmanship. This warranty does not cover accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any ATV that has been altered structurally, modified, neglected, improperly maintained, used for racing, or used for purposes other than for which it was manufactured, or for any damages which occur during trailer transit or as a result of unauthorized service or the use of unauthorized parts. In addition, this warranty does not cover physical damage to paint or finish, stress cracks, tearing or puncturing of upholstery material, corrosion, or defects in parts, components or the ATV due to fire, explosions or any other cause beyond Polaris' control.

Warranty does not apply to parts exposed to friction surfaces, stresses, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Wheels and tires
- Suspension components
- Brake components
- Seat components
- Clutches and components
- Steering components
- Batteries
- Light bulbs/Sealed beam lamps
- Finished and unfinished surfaces
- Carburetor/Throttle body components
- Engine components
- Drive belts
- Hydraulic components
- Circuit breakers/Fuses
- Electronic components

Warranty applies to the product only and does not allow for coverage of personal loss. Some items are considered "consumable," meaning they are considered part of normal maintenance or part of completing an effective repair. The following items are excluded from warranty coverage in the event of a warranty claim:

- Spark Plugs
- Filters
- Fuel
- Sealants
- Hotel fees
- Towing charges
- Mileage
- Rentals/Loss of product use
- Lubricants such as oil, grease, etc.
- Batteries (unless defective)
- Cosmetic damage/repair
- Coolants
- Meals
- Shipping/ handling fees
- Product pick-up/delivery
- Loss of vacation/personal time

LIMITATIONS OF WARRANTIES AND REMEDIES

This warranty also excludes failures resulting from improper lubrication; improper engine timing; improper fuel; surface imperfections caused by external stress, heat, cold or contamination; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; failure due to snow, water, dirt or other foreign substance ingestion/contamination; improper maintenance; modified components; use of aftermarket components resulting in failure; unauthorized repairs; repairs made after the warranty period expires or by an unauthorized repair center; use of the product in competition or for commercial purposes. Warranty will not apply to any product which has been damaged by abuse, accident, fire or any other casualty not determined a defect of materials or workmanship.

This warranty does not cover the use of unauthorized lubricants, chemicals, or fuels that are not compatible with the ATV. The exclusive remedy for breach of this warranty shall be, at Polaris' exclusive option, repair or replacement of any defective materials, or components or products. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. POLARIS SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE, OR OTHER TORT OR OTHERWISE. Some states do not permit the exclusion or limitation of incidental or consequential damages or implied warranties, so the above limitations or exclusions may not apply to you if inconsistent with controlling state law.

WARRANTY

ALL IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO THE ABOVE SIX MONTH WARRANTY PERIOD. POLARIS FURTHER DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you if inconsistent with controlling state law.

HOW TO OBTAIN WARRANTY SERVICE

If your ATV requires warranty service, you must take it to a Polaris dealer authorized to repair Polaris ATVs. When requesting warranty service you must present your copy of the Warranty Registration form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER IS YOUR RESPONSIBILITY). Polaris suggests that you use your original selling dealer; however, you may use any Polaris Servicing Dealer to perform warranty service.

Please work with your dealer to resolve any warranty issues. Should your dealer require any additional assistance they will contact the appropriate person at Polaris.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If any of the above terms are void because of state or federal law, all other warranty terms will remain in effect.

Engine Oil

1. Mixing oil brands or using non-recommended oil may cause engine damage. We recommend the use of Polaris engine oil for your ATV.

2. Damage resulting from the use of non-recommended lubricants may not be covered by warranty.

SPARK ARRESTOR

Polaris warrants that the spark arrestor in this vehicle will meet the efficiency requirements of USFS standard 5100-1c for at least 1000 hours when subjected to normal use and when maintenance and installation are in accordance with Polaris recommendations.

Exported Vehicles

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY OR SERVICE BULLETIN COVERAGE ON THIS VEHICLE IF IT IS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'S AUTHORIZED LOCATION.

This policy does not apply to vehicles that have received authorization for export from Polaris Industries. Dealers may not give authorization for export. You should consult an authorized dealer to determine this vehicle's warranty or service bulletin coverage if you have any questions.

This policy does not apply to vehicles registered to government officials or military personnel on assignment outside the country of the selling dealer's authorized location.

This policy does not apply to Safety Recalls.

How to Get Service

In the Country where your vehicle was purchased:

Warranty or Service Bulletin repairs must be done by an authorized Polaris dealer. If you move or are traveling within the country where your vehicle was purchased, Warranty or Service Bulletin repairs may be requested from any authorized Polaris dealer who sells the same line as your vehicle.

Outside the Country where your vehicle was purchased:

If you are traveling temporarily outside the country where your vehicle was purchased, you should take your vehicle to an authorized Polaris dealer. You must show the dealer photo identification from the country of the selling dealer's authorized location as proof of residence. Upon residence verification, the servicing dealer will be authorized to perform the warranty repair.

If You Move:

If you move to another country, be sure to contact Polaris Customer Assistance and the customs department of the destination country before you move. Vehicles importation rules vary considerably from country to country. You may be required to present documentation of your move to Polaris Industries in order to continue your warranty coverage. You may also be required to obtain documentation from Polaris Industries in order to register your vehicle in your new country.

WARRANTY

Exported Vehicles

How to Get Service

If Purchased From A Private Party:

If you purchase a Polaris product from a private citizen, to be kept and used outside of the country in which the vehicle was originally purchased, all warranty coverage will be denied.

Notice

If your vehicle is registered outside of the country where it was purchased, and you have not followed the procedure set out above, your vehicle will no longer be eligible for warranty or service bulletin coverage of any kind. (Vehicles registered to Government officials or military personnel on assignment outside of the country where the vehicle was purchased will continue to be covered by the basic warranty.)

For questions call Polaris Customer Assistance:

United States: 1-888-704-5290

Canada: 1-204-925-7100

U.S.A. EPA Emissions Limited Warranty

This emissions limited warranty is in addition to the Polaris standard limited warranty for your vehicle. Polaris Industries Inc. warrants that at the time it is first purchased, this emissions-certified vehicle is designed, built and equipped so it conforms with applicable U.S. Environmental Protection Agency emission regulations. Polaris warrants that the vehicle is free from defects in materials and workmanship that would cause it to fail to meet these regulations.

The warranty period for this emissions-certified vehicle starts on the date the vehicle is first purchased and continues for a period of 500 hours of engine operation, 5000 kilometers (3100 miles) of vehicle travel, or 30 calendar months from the date of purchase, whichever comes first.

This emissions limited warranty covers components whose failure increases the vehicle's regulated emissions, and it covers components of systems whose only purpose is to control emissions. Repairing or replacing other components not covered by this warranty is the responsibility of the vehicle owner. This emissions limited warranty does not cover components whose failure does not increase the vehicle's regulated emissions.

For exhaust emissions, emission-related components include any engine parts related to the following systems:

- Air-induction system
- Fuel system
- Ignition system
- Exhaust gas recirculation systems

The following parts are also considered emission-related components for exhaust emissions:

- Aftertreatment devices
- Crankcase ventilation valves
- Sensors
- Electronic control units

The following parts are considered emission-related components for evaporative emissions:

- Fuel Tank
- Fuel Cap
- Fuel Line
- Fuel Line Fittings
- Clamps*
- Pressure Relief Valves*
- Control Valves*
- Control Solenoids*
- Electronic Controls*
- Vacuum Control Diaphragms*
- Control Cables*
- Control Linkages*
- Purge Valves
- Vapor Hoses
- Liquid/Vapor Separator
- Carbon Canister
- Canister Mounting Brackets
- Carburetor Purge Port Connector

*As related to the evaporative emission control system.

WARRANTY

U.S.A. EPA Emissions Limited Warranty

The exclusive remedy for breach of this limited warranty shall be, at the exclusive option of Polaris, repair or replacement of any defective materials, components or products. THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. POLARIS SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION,WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE OR OTHER TORT OR OTHERWISE.

ALL IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO THE WARRANTY PERIOD DESCRIBED HEREIN. POLARIS DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply if it is inconsistent with the controlling state law.

This limited warranty excludes failures not caused by a defect in material or workmanship.This limited warranty does not cover damage due to accidents, abuse or improper handling, maintenance or use. This limited warranty also does not cover any engine that has been structurally altered, or when the vehicle has been used in racing competition. This limited warranty also does not cover physical damage, corrosion or defects caused by fire, explosions or other similar causes beyond the control of Polaris.

Owners are responsible for performing the scheduled maintenance identified in the owner's manual. Polaris may deny warranty claims for failures that have been caused by the owner’s or operator’s improper maintenance or use, by accidents for which Polaris has no responsibility, or by acts of God.

Any qualified repair shop or person may maintain, replace, or repair the emission control devices or systems on your vehicle. Polaris recommends that you contact an authorized Polaris dealer to perform any service that may be necessary for your vehicle. Polaris also recommends that you use only Pure Polaris parts. It is a potential violation of the Clean Air Act if a part supplied by an aftermarket parts manufacturer reduces the effectiveness of the vehicle's emission controls. Tampering with emission controls is prohibited by federal law.

If you have any questions regarding your warranty rights and responsibilities, please contact the Polaris Warranty Department at 1-888-704-5290.

MAINTENANCE LOG

Present this section of your manual to your dealer each time your vehicle is serviced. This will provide you and future owners with an accurate log of maintenance and services performed.

DATE	MILES (KM) OR HOURS	TECHNICIAN	SERVICE PERFORMED / COMMENTS

MAINTENANCE LOG

DATE	MILES (KM) OR HOURS	TECHNICIAN	SERVICE PERFORMED / COMMENTS

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